P1 MATH INTENSIVE (ANSWER KEY)

Chapter 1 Numbers up to 10

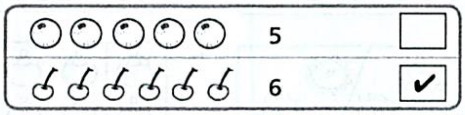
Level 1

Exercise 1

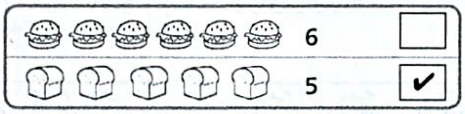
1. 9, nine
2. 6, six
3. 3, three
4. 7, seven
5. 8, eight
6. 2, two
7. 4, four
8. 10, ten
9. 1, one
10. 5, five

Exercise 2

1. six 
2. four 
3. 

4. 

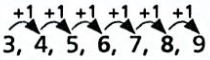
5. 

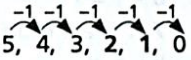
6. 

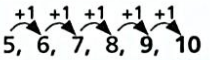
7. ✘
8. ✘
9. ✔
10. ✘

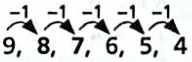
Level 2

Exercise 1

1. 8, 9, 10
   The number just before 10 is **9**.
2. 3, 4, 5
   4 is just after **3**.
3. 8, 9, 10
   9 is between 8 and 10.
4. 2, 3, 4
   The number just after 3 is **4**.
5. 6 – 2 = 4
   6 is 2 more than **4**.
6. o r a n g e s
   1 2 3 4 5 6 7
   There are **7** letters in the word 'oranges'.
7. 

8. 

9. 

10. 

Exercise 2

1. 9 + 1 = 10
   The number 9 is 1 less than **10**.
2. 3 + 1 = 4
   4 is 1 more than 3.
3. 5, 6, 7
   6 is between 5 and 7.
4. 8 – 1 = 7
   1 less than 8 is **7**.
5. 5 + 1 = 6
   1 more than 5 is **6**.
6. 6 – 1 = 5
   5 is 1 less than 6.
7. 8 + 1 = 9
   1 more than 8 is **9**.

8. 4 – 1 = 3
   3 is 1 less than 4.
9. d u r i a n
   1 2 3 4 5 6
   In the word 'durian', there are 6 letters.
10. 1, 2, 3
    2 is between 1 and 3.

Level 3

Exercise 1

O	U	E	V	I	S	Z	F	R	T
Z	F	C	D	A	T	W	O	H	S
E	I	G	H	T	O	E	U	G	E
S	V	G	X	A	H	D	R	I	V
T	E	A	N	I	S	R	K	T	E
L	U	I	P	A	O	N	E	O	N
E	W	S	G	G	E	N	M	E	B
H	R	P	T	T	V	S	I	X	N
N	I	N	E	A	H	O	A	A	E
S	O	A	N	E	U	S	E	M	O

Exercise 2

1. 8 – 1 = 7
   7 is 1 less than 8.
2. k i t e
   1 2 3 4
   The word 'kite' has 4 letters.
3. 9 + 1 = 10
   9 is 1 less than 10.
4. 4 + 1 = 5
   1 more than 4 is 5.
5. 1, 2, 3
   2 is between 1 and 3.
6. 8 is greater than 6.
7. 6 is less than 10.
8. (a) 2 (+2), 4 (+2), 6 (+2), 8 (+2), 10 (b) 9 (–2), 7 (–2), 5 (–2), 3 (–2), 1
9. 5, 6, 7, 8
   I am the number 6.
10.

Numbers smaller than 4	Numbers between 4 and 6	Numbers greater than 6
2, 3	5	7, 8, 9, 10

Chapter 2 Number Bonds

Level 1

Exercise 1

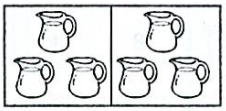
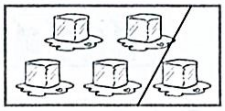
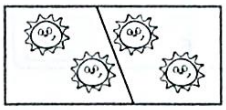
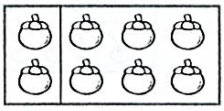
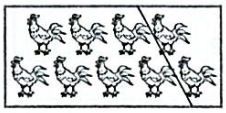
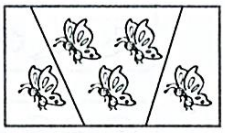
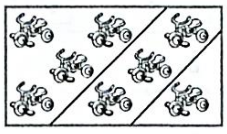
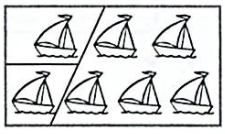
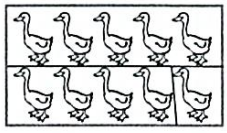
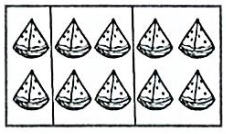
1. 1
2. 6
3. 5
4. 4
5. 1
6. 3
7. 6
8. 4
9. 1
10. 3

Exercise 2

1. 1 and 3 make 4.
2. 3 and 5 make 8.
3. 8 and 1 make 9.
4. 1 and 7 make 8.
5. 5 and 5 make 10.
6. 2, 1 and 3 make 6.
7. 2, 3 and 4 make 9.
8. 3, 3 and 3 make 9.
9. 5, 4 and 1 make 10.
10. 1, 2 and 1 make 4.

Level 2

Exercise 1

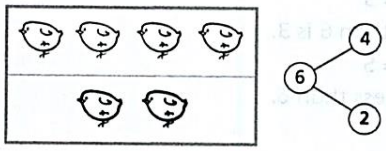
1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 

Exercise 2

1. 3 + 6 = 9
   3 and 6 make **9**.
2. 5 – 4 = 1
   4 and **1** make 5.
3. 7 – 2 = 5
   5 and 2 make 7.
4. 1 + 3 + 2 = 6
   1, 3 and 2 make **6**.
5. 10 – 3 – 5 = 2
   3, **2** and 5 make 10.
6. 3
7. 3
8. 1
9. 3
10. 5

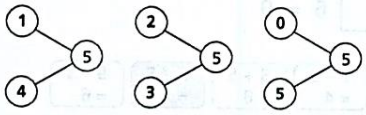
Level 3

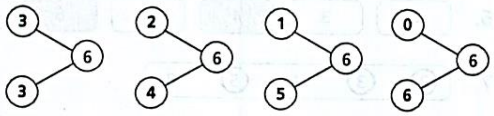
Exercise 1

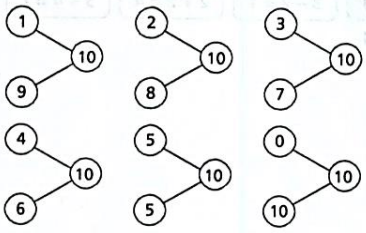
1. 

2. 

   5 – 1 = 4
   1 and **4** make 5.

3. 

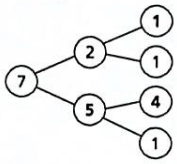
4. 

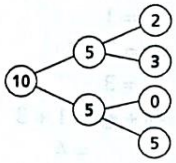
5. 

   There are **6** ways to make 10.

6. 1 and 6 OR 3 and 4

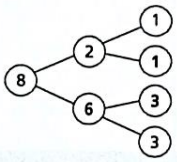
7. 1, 2 and 7
   OR 1, 3 and 6
   OR 1, 4 and 5
   OR 2, 3 and 5

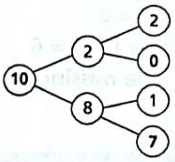
8. 

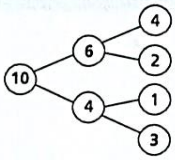
9. 

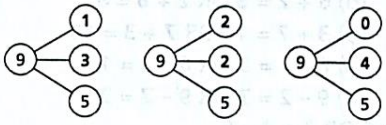
10. 4 + 4 = 8
    The missing number is **4**.

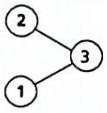
Exercise 2

1. 

2. 

3. 

4. 

5. A is **2**, B is **1**.
   

6. The missing number is **2**.
   

7. 6 – 2 = 4
   There will be **4** apples in Bag B.

8. ★ = 4 + 5
   = 9
   9 – 8 = 1
   The missing number is **1**.

9. ● = 10 – 9
   = 1
   ✚ = 7 – 4
   = 3
   ● + ✚ = 1 + 3
   = 4
   The missing number is **4**.

10. ★ = 9 – 2 – 4
    = 3
    ☆ = 3 – 1
    = 2
    2 + 1 + 3 = 6
    The missing number is **6**.

Chapter 3 Addition and Subtraction within 10

Level 1

Exercise 1

1. 3 + 3 = 6
2. 10 – 3 = 7
3. (a) 2 (b) 6 + 2 = 8 OR 2 + 6 = 8
4. (a) 10 (b) 3 + 7 = 10 OR 7 + 3 = 10
5. (a) 5 (b) 6 – 1 = 5 OR 6 – 5 = 1
6. (a) 7 (b) 9 – 2 = 7 OR 9 – 7 = 2
7. 3 + 2 = 5 OR 2 + 3 = 5
8. 2 + 8 = 10 OR 8 + 2 = 10
9. 10 – 2 = 8
10. 10 – 1 = 9

Exercise 2

1. 6 + 3 = 9 OR 3 + 6 = 9
2. 3 + 4 = 7 OR 4 + 3 = 7
3. 5 + 5 = 10
4. 1 + 6 = 7 OR 6 + 1 = 7
5. 9 + 1 = 10 OR 1 + 9 = 10
6. 5 – 1 = 4
7. 3 – 2 = 1
8. 7 – 2 = 5
9. 7 – 4 = 3
10. 10 – 8 = 2

Level 2

Exercise 1

1. 9 – 1 = 8
   8 is 1 less than 9.
2. 5 + 3 = 8
   When 3 is added to 5, the answer is **8**.
3. 6 + 3 = 9
   3 more than 6 is **9**.
4. 5 – 2 = 3
   2 taken away from 5 is **3**.
5. 2 + 2 = 4
   2 added to 2 gives **4**.
6. 5 – 4 = 1
   4 taken away from 5 is **1**.
7. 1 + 5 = 6
   When 5 is added to 1, the answer is **6**.
8. 4 – 2 = 2
   When 2 is taken away from 4, the answer is **2**.
9. 6 – 3 = 3
   3 less than 6 is **3**.
10. 6 – 1 = 5
    5 is 1 less than 6.

Exercise 2

1. (5) (9) (10) — 7 + 2 = 9; 7 + 3 = 10; 7 – 2 = 5
2. 5 [–] 2 = 3
3. 6 [+] 1 = 7
4. 3 [+] 6 = 9
5. **6 + 1 = 7**; 7 – 3 = 4; 3 + 5 = 8; **2 + 5 = 7**; 9 – 3 = 6
6. 2; 3; **4**; 5; **6**
7. (2) (3) 4 (5) 8
8. **5 – 1 = 3**; 3 – 2 = 1; 2 + 2 = 4; 3 + 4 = 7
   5 – 1 = 4

Level 3

Exercise 1

1. 8 – 2 = 6 OR 8 – 6 = 2
2. 1 + 8 = 9 OR 8 + 1 = 9
3. 9 – 4 = 5 OR 9 – 5 = 4
4. 6 + 2 = 8

   1 + 7 = 8 | 3 + 5 = 8 | **10 – 1 = 9** | 4 + 4 = 8
5. 8 – 4 = 4

   10 – 6 = 4 | 3 + 1 = 4 | 9 – 4 = 5 | **4 – 1 = 3**
6. 3 + 7 = 10 OR 7 + 3 = 10;
   10 – 3 = 7 OR 10 – 7 = 3
7. 2 + 3 = 5 OR 3 + 2 = 5; 8 – 7 = 1 OR 8 – 1 = 7
   5 – 3 = 2 OR 5 – 2 = 3; 7 + 1 = 8 OR 1 + 7 = 8
8. 3 + 5 = 8
9. 6 – 5 = 1 OR 3 – 2 = 1
10. 6 + 1 = 7 and 8 – 3 = 5 OR 5 + 1 = 6 and 7 – 3 = 4

Exercise 2

1. 10 – 3 = 7

   9 – 1 – 1 = 7 | 1 + 2 + 4 = 7 | **10 – 2 – 2 = 6**
2. 2 + 3 = 5 OR 3 + 2 = 5

   She sees 5 birds altogether.

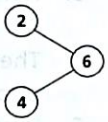
3. 6 – 2 = 4

   4 balls are still on the floor.

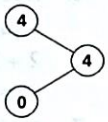
4. 6 – 4 = 2

   There are 2 balloons left.

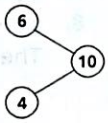
5. 0 + 4 = 4 OR 4 + 0 = 4

   He has 4 cakes now.

6. 10 – 4 = 6

   There are 6 cookies left.

7. 3 + 6 = 9 OR 6 + 3 = 9
   He gives 9 stickers to the two boys.
8. 9 – 6 = 3
   There are 3 commuters on the train now.
9. 5 + 2 + 1 = 8 OR 5 + 1 + 2 = 8
   Julie has 8 pencils now.
10. (a) 3 ★ + 2 ★ = ● (b) 5 + 5 = 10
    ● = 5 ★ ● + ● = 10 ★

Chapter 4 Shapes

Level 1

Exercise 1

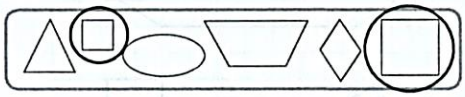
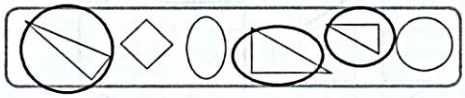
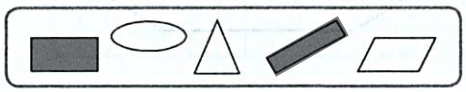
1. Circle
2. Rectangle
3. Triangle
4. Square
5. Triangle
6. Square
7. Rectangle
8. Half circle
9. Rectangle
10. Quarter circle

Exercise 2

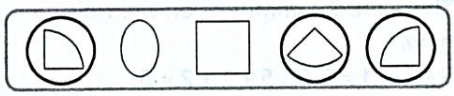
1. Triangle
2. Triangle
3. Half circle
4. Rectangle
5. Quarter circle
6. Triangles
7. Rectangles
8. Rectangles
9. Circles
10. Squares

Level 2

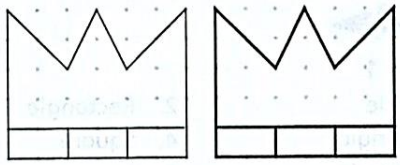
Exercise 1

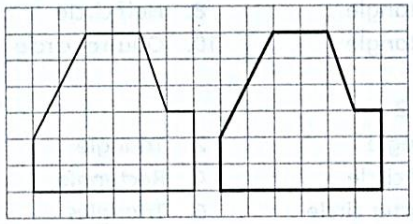
1. 
2. 
3. 
4. 

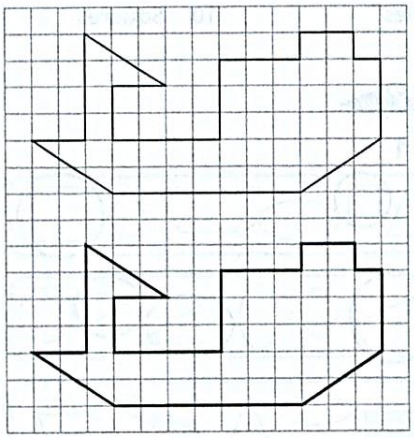
5.


6.


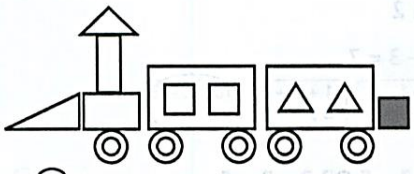
7.


8.


9.


10.


Exercise 2

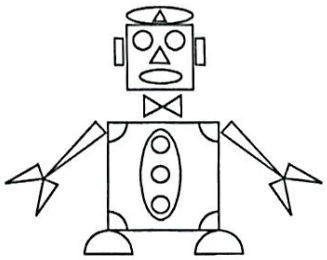
1. There are (8, 9, (10)) circles.
2. There are ((4), 5, 6) rectangles.
3. There are ((3), 4, 5) squares.
4. There are (3, (4), 5) triangles.
5. There are ((less), more) squares than triangles.
6. The number of rectangles and the number of triangles are (different, (the same)).
7. There ate (4 , 5 , (6)) more circles than rectangles.
8. $4 + 3 = 7$
   There are (5, 6, (7)) triangles and squares altogether.
9. 1 wheel ⟶ 2 circles
   $10 - 2 = 8$
   If one of the wheels is taken away, there will be (7 (8) 9) circles left.
10. 
    (1 (2) 3) squares are not coloured.

Level 3

Exercise 1

1. 10
2. 5
3. 4
4. triangles
5. Half circle ⟶ 2
   $4 + 2 = 6$
   There are 6 half circles and quarter circles altogether.
6. Rectangles ⟶ 2
   Squares ⟶ 2
   $2 + 2 = 4$
   There are 4 rectangles and squares altogether.
7. squares, rectangles
8. $10 - 2 = 8$
   There are 8 more triangles than half circles.

9.



$5 - 2 = 3$

3 circles are not coloured.

10. $10 - 1 = 9$

If the triangle at the nose is erased, there will be **9** triangles left.

Exercise 2

1. rectangle, triangle
2. rectangles
3. triangles
4. square
5. rectangle
6. rectangles, squares, triangles
7. 3
8. 9

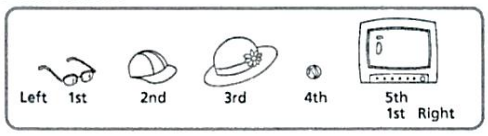
Chapter 5 Ordinal Numbers

Level 1

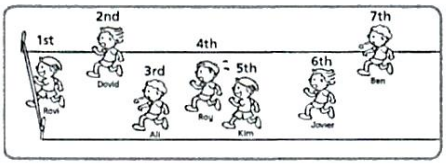
Exercise 1

1. First
2. 2nd
3. Third
4. Fourth
5. 5th
6. 6th
7. Seventh
8. Eighth
9. 9th
10. Tenth

Exercise 2



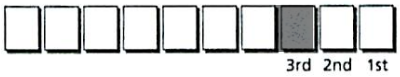
1. 2nd
2. 4th
3. television
4. left



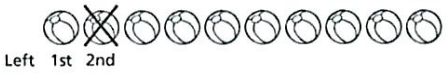
5. Kim
6. 2nd
7. (a) Javier (b) David
8. (a) 6th (b) 4th
9. Ben
10. 7

Level 2

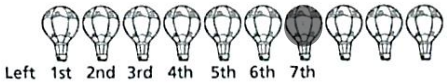
Exercise 1

1. 

2. 

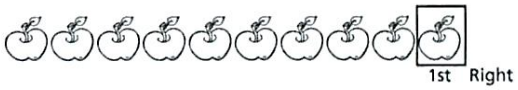
3. 

4. 

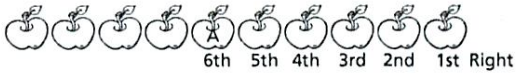
5. 

6. 

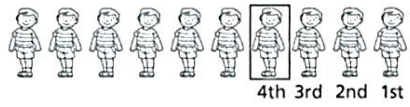
7. 

8. 

9. 

10. 

Exercise 2

1. 

2. 

3. 

4. 

5. 

6. 

7. 

8. 

9. 

10. 

The burger with the letter 'S' is in the **9th** position.

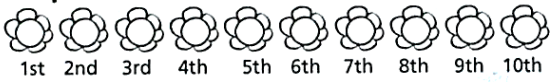
Level 3

Exercise 1

For questions 1 and 2:

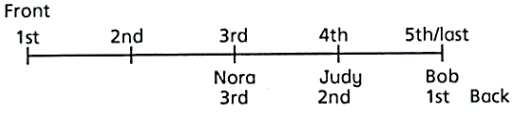
1. 3
2. 4

For questions 3 and 4:



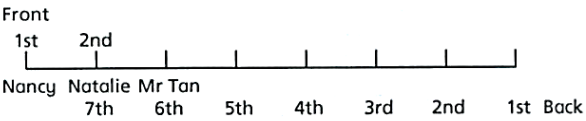
3. 1
4. 7

For questions 5 to 7:



5. 5
6. 5th OR last
7. 3rd

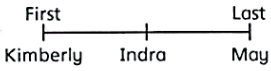
For questions 8 to 10:



8. 8
9. 1st
10. 6th

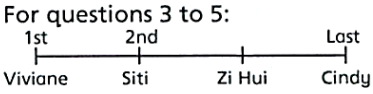
Exercise 2

For questions 1 and 2:



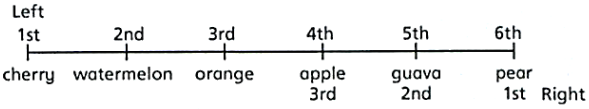
1. Kimberly
2. May, Indra, Kimberly

For questions 3 to 5:



3. Cindy
4. Siti
5. Viviane, Siti, Zi Hui, Cindy

For questions 6 to 10.



6. guava
7. 6th
8. apple
9. cherry
10. cherry, watermelon, orange, apple, guava, pear

Chapter 6 Numbers up to 20

Level 1

Exercise 1

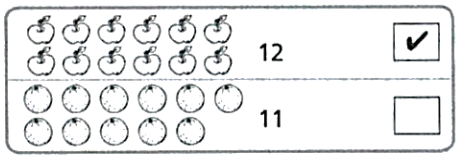
1.

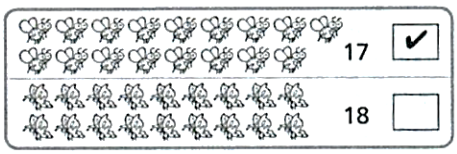
11	12	13	14	15
eleven	twelve	thirteen	fourteen	fifteen

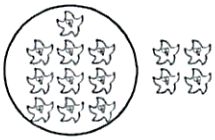
16	17	18	19	20
sixteen	seventeen	eighteen	nineteen	twenty

2. twelve 

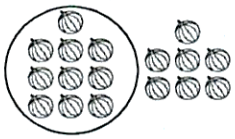
3. nineteen 

4. 

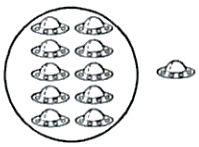
5. 

6. (a) 

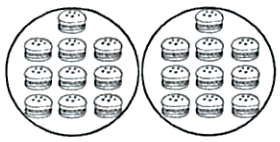
10 and **4** make **14.**

(b) 

7 and 10 make **17**

(c) 

10 + **1** = **11**
1 ten and 1 one = **11** ones

(d) 

1 ten and **10** ones = **20** ones = **2** tens

7. (a) 10 + 2 = 12
10 and 2 make **12.**
(b) 5 + 10 = 15
5 and 10 make **15.**
(c) 19 – 10 = 9
10 and **9** make 19.
(d) 17 – 7 = 10
10 and 7 make 17.

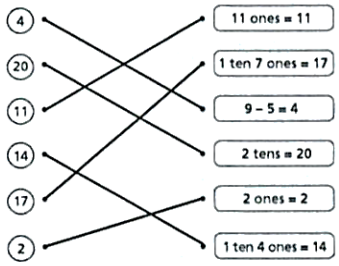
8. (a) 13 (b) 16
(c) 11 (d) 20

9. (a) 4 (b) 7
(c) **1** ten **6** ones (d) **2** tens **0** ones

10. (a) 15 (b) 13

Exercise 2

1. (a) 18 (13) (b) (11) 14
2. (a) (9) 15 (b) 20 (6)
3. (a) (20) 15 (b) 17 (19)
4. (a) (11) 7 (b) 8 (16)

5. 

Level 2

Exercise 1

1. 11 + 2 = 13
2 more than 11 is **13.**
2. 16, 17, <u>18</u>
18 is just after 17.
3. 20 – 2 = 18
18 is 2 less than 20.
4. <u>14</u>, 15, 16
15 is between **14** and 16.
5. 10 + 1 = 11
1 more than 10 is **11.**
6. <u>10</u>, 11, 12
The number just before 11 is **10.**

7. 18, 19, 20
   18 is just before **19**.
8. 19 – 3 = 16
   3 less than 19 is **16**.
9. 9, 10, 11
   10 is between 9 and 11.
10. 14 – 11 = 3
    14 is greater than 11 by **3**.

Exercise 2

1. (a) 18 (19) 17 (b) 14 (16) 13
2. (a) (15) 8 9 (b) 10 (20) 7
3. (a) (11) 10 6 (b) (20) 3 19
4. (a) 13 (12) 17 (b) 16 20 (8)
5. (a) 20 (6) 18 (b) 14 10 (5)
6. (a) (5) 15 11 (b) 20 12 (2)
7. (a) +1 +1 +1 +1 +1: 15, 16, 17, **18, 19,** 20
   (b) +1 +1 +1 +1: 7, 8, 9, **10,** 11
8. (a) –1 –1 –1 –1: 19, **18,** 17, **16,** 15
   (b) –1 –1 –1 –1 –1: **12,** 11, 10, 9, **8,** 7
9. (a) +2 +2 +2 +2: 6, 8, **10, 12,** 14
   (b) +2 +2 +2 +2: 7, 9, 11, 13, **15**
10. (a) –2 –2 –2 –2: 20, 18, **16, 14,** 12
    (b) –2 –2 –2 –2: **15, 13,** 11, 9, 7

Level 3

Exercise 1

1. 20 ones = 20 | 5 + 10 = 15 | 10 + 4 = 14 | 1 ten 2 ones = 12
2. 1 ten 9 ones = 19 | 13 ones = 13 | 1 + 10 = 11 | 10 + 7 = 17
3. 1 ten 2 ones = 12 | 5 + 5 = 10 | 11 ones = 11 | 1 + 10 = 11
4. 10 ones = 10 | 10 + 0 = 10 | 1 ten = 10 | 6 + 3 = 9
5. 10 + 6 = 16 | 4 + 10 = 14 | 1 ten 8 ones = 18 | 17 ones = 17
6. 10 + 8 = 18 | 19 ones = 19 | 9 + 10 = 19 | 1 ten 10 ones = 20
7. 10, 14, 17
8. 9, 12, 20
9. 20, 13, 11
10. 20, 16 , 3

Exercise 2

1. 10 + 2 = 12
   12 is greater than 10 by 2.
2. 13, 15, 16
   15 is between 13 and 16.
3. 17, 18, 19
   19 is greater than 18.
4. 9, 10, 13
   10 is greater than **9** but smaller than 13.
5. 10, 11, 12, 13
   I am the number **11**.
6. 14, 15, 16, 17, 18
   I am either the number **16** or **17**.
7. 16, 17, 18, 19, 20
   I am either the number 17, **18** or **19**.
8. 7, 8, 9
   I am either the number **8** or **9**.
9.

Tens	Ones
1	1 + 3 = 4

⇨ 14

   I am the number **14**.

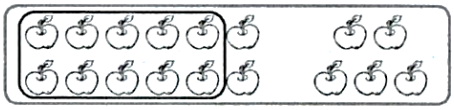
10.

Pupils who score less than 8	Pupils who score between 8 and 12	Pupils who score greater than 12
May Bert	John Ming	Ali Ryan Carly

Chapter 7 Additon and Subtraction within 20

Level 1

Exercise 1

1. 

(12) + (5) = (10) + (7) = (17)
(10) (2)

10. 14 − 7 = 4 + 3 = 7
    (14 = 4 + 10)

Level 2

Exercise 1

1. 9
2. 14
3. 11
4. 6
5. 16 – 3 = 13
   3 less than 16 is **13**.
6. 9 + 6 = 15
   6 added to 9 gives **15**.
7. 19 – 7 = 12
   7 taken away from 19 gives **12**.
8. 16 → 11 – 7 = 4; 11 → 17 – 6 = 11; 4 → 10 + 6 = 16

Exercise 2

1. 14 [−] 3 = 11
2. 6 [+] 9 = 15
3. 12 [+] 4 = 16
4. 13 – 4 = 9 | 4 + 6 = 10 | 15 – 7 = 8 | 2 + 9 = 11 | 18 – 8 = 10
5. 2 | 5 | 7 | 9 | 13
6. 3, 4, 6, 7, 9
7. 12 – 8 = 3 | 14 – 3 = 11 | 5 + 6 = 11 | 14 + 6 = 20
   12 – 8 = 4
8. 5 + 13 = 18
   11 + 7 = 18 | 3 + 15 = 18 | 19 – 1 = 18 | 13 + 6 = 19
9. 7, 8, 9
   8 + 1 = 9 | 18 – 9 = 9 | 14 – 6 = 8 | 3 + 7 = 10
10. 1 ten 4 ones = 14
    7 + 7 = 14 | 6 + 9 = 15 | 18 – 5 = 13 | 11 + 2 = 13

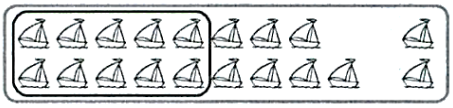
Level 3

Exercise 1

1. **6 + 8 = 14** OR **8 + 6 = 14**
   and **20 – 4 = 16** OR **20 – 16 = 4**
   4 + 16 = 20 OR **16 + 4 = 20**
   14 – 8 = 6 OR **14 – 6 = 8**
2. **8 + 7 = 15**
3. 19 – **6 = 13** OR 19 – **13 = 6**
4. **2 + 6 + 9** = 17
5. **4 + 5 = 9**
   13 – 6 = 7
6. **16 – 5 = 11**
   There are **11** pink paper clips.
7. **12 – 3 = 9**
   She has **9** apples left.
8. **11 – 2 = 9**
   Mun Yee has **9** pens now.
9. **15 – 5 = 10**
   Madam Nora has **10** sheets of paper left.
10. **16 – 3 = 13**
    Wan Ling has **13** sweets now.

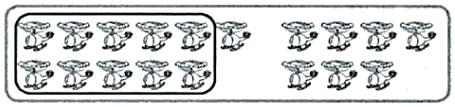
Exercise 2

1. **19 – 9 = 10**
   Chong Meng has **10** dumplings left.
2. **9 + 9 = 18**
   There are **18** vehicles in the car park.
3. **12 – 1 = 11**
   He can do **11** questions.
4. **15 – 3 = 12**
   12 seedlings are growing well.
5. **20 – 5 = 15**
   15 parts are not broken.
6. **20 – 8 = 12**
   She needs to learn **12** more steps.
7. 8 + 5 = 13; + 11 = 7; = 19 + 1 = 20
8. 20 − 6 = 14; − 1 = 3; = 19 − 8 = 11
9. 10 − 6 = 4; + 9 = 13; = 19 − 2 = 17

2. 

$17 + 2 = 10 + 9 = 19$

$10 \quad 7$

3. 

$11 + 7 = 10 + 8 = 18$

$10 \quad 1$

4. $8 + 3 = 10 + 1 = 11$

$\quad 2 \quad 1$

5. $9 + 9 = 10 + 8 = 18$

$\quad 1 \quad 8$

6. $14 + 2 = 10 + 6 = 16$

$10 \quad 4$

7. $15 + 4 = 10 + 9 = 19$

$10 \quad 5$

8. $11 + 6 = 10 + 7 = 17$

$10 \quad 1$

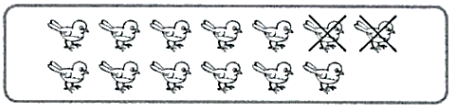
9. $16 + 4 = 10 + 10 = 20$

$10 \quad 6$

10. $13 + 5 = 10 + 8 = 18$

$10 \quad 3$

Exercise 2

1. 

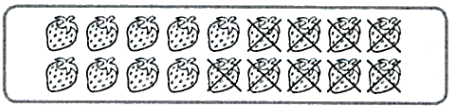
$13 - 2 = 10 + 1 = 11$

$10 \quad 3$

2. 

$13 - 6 = 3 + 4 = 7$

$3 \quad 10$

3. 

$18 - 9 = 8 + 1 = 9$

$8 \quad 10$

4. $14 - 2 = 10 + 2 = 12$

$10 \quad 4$

5. $19 - 7 = 10 + 2 = 12$

$10 \quad 9$

6. $11 - 6 = 1 + 4 = 5$

$1 \quad 10$

7. $16 - 8 = 6 + 2 = 8$

$6 \quad 10$

8. $17 - 9 = 7 + 1 = 8$

$7 \quad 10$

9. $16 - 6 = 10 + 0 = 10$

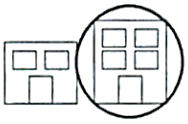
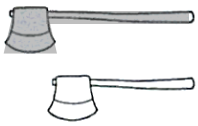
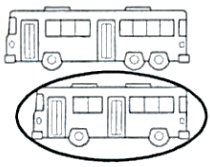
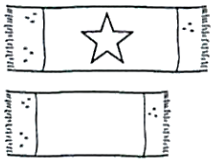
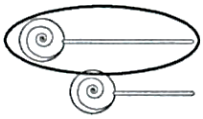
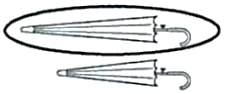
$10 \quad 6$

10. (a) 6★ + 6★ = ✚
✚ = 12★
(b) 12 + 12 = 24
✚ + ✚ = 24★

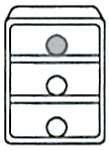
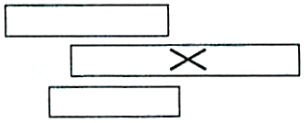
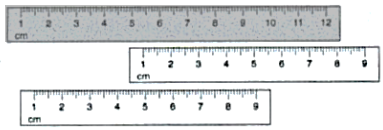
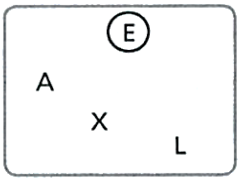
Chapter 8 Length

Level 1

Exercise 1

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 

Exercise 2

1. 
2. 
3. 
4. 
5. 
6. 

7. We ⟶ 2 letters
must ⟶ 4 letters
defend ⟶ 6 letters
our ⟶ 3 letters
country ⟶ 7 letters
ourselves ⟶ 9 letters
(a) The longest word is **ourselves**.
(b) The shortest word is **we**.
8. Singapore ⟶ 9 letters
is ⟶ 2 letters
our ⟶ 3 letters
homeland ⟶ 8 letters
(a) The longest word is **Singapore**.
(b) The shortest word is **is**.
9. Mathematics ⟶ 11 letters
can ⟶ 3 letters
be ⟶ 2 letters
fun ⟶ 3 letters
(a) The longest word is **Mathematics**.
(b) The shortest word is **be**.

10. Their ⟶ 5 letters
favourite ⟶ 9 letters
subjects ⟶ 8 letters
are ⟶ 3 letters
Science ⟶ 7 letters
and ⟶ 3 letters
English ⟶ 7 letters
(a) The longest word is **favourite**.
(b) The shortest words are **are** and **and**.

Level 2

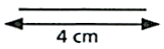
Exercise 1

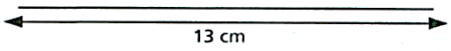
1. 8
2. 14
3. 3
4. tree
5. elephant

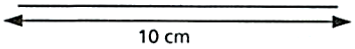
For questions 6 to 10.
mouse ⟶ 5 ☐
snail ⟶ 2 ☐
bird ⟶ 4 ☐
dog ⟶ 7 ☐

6. 5
7. 2
8. dog
9. snail
10. snail, bird, mouse, dog

Exercise 2

1. The pen is **12** cm long.
2. The spoon is **9** cm long.
3. The toothbrush is **14** cm long.
4. The ribbon is **6** cm long.
5. The rope is **11** cm long.
6. 

7. 

8. 

9. **A** is the shortest.
10. **C** is the longest.

Level 3

Exercise 1

1. Gary
2. Jim
3. Joanne
4. Isabelle
5. Gary
6. Jim
7. Gary, Joanne, Isabella, Meng, Jim
8. (a) 2 (b) 3
9. **(1)**
Ian ⟶ 4 units
Peter ⟶ 5 units
10. **(3)**
Ian ⟶ 4 ☐
= 4 × 2
= 8

Peter ⟶ 5 ☐
= 5 × 2
= 10

10 – 8 = 2

Exercise 2

1. 8
2. 7
3. D
4. A
5. D
6. B, E
7. Pencil D ⟶ 4 cm
4 + 4 = 8
Pencil **C** is as long as 2 Pencil D.
8. **(2)**
Pencils C and D ⟶ 8 + 4
= 12
Pencils B and E ⟶ 7 + 7
= 14
14 – 12 = 2
9. Pencil **C** is the longest now.
10. 9 – 6 = 3
Mary used **3** cm of Pencil A.

Mid Year Revision

Specimen Paper 1

Section A

1. eight, twelve
2. 5, 19
3. 14, 15, 16
   The number just after 15 is **16**.
4. 9, 10, 11
   The number **10** is between 9 and 11.
5. 20 – 2 = 18
   18 is 2 less than 20.
6. 18, 17, 16, **15**, **14**, 13 (−1 −1 −1 −1 −1)
7. 12 + 4 = 16
   4 more than 12 is **16**.
8. 14 = **1** ten **4** ones
9. Circle either 1, 2, 7 OR 1, 3, 6 OR 1, 4, 5 OR 2, 3, 5.
10. 20 13 (8) 16
11. 14, 10, 9, 7
12.

Tens	Ones
1	4 – 1 = 3

⇨ **13**

Section B

13. 19 – ☐ = 10
    ☐ = 19 – 10
    = **9**
14. 17
15. 7
16. ☐ + 6 = 11
    ☐ = 11 – 6
    = **5**
17. 8 + 8 = 16
    = 1 ten **6** ones
18. 19 – 6 = 13
    6 taken away from 19 is **13**.
19. (a) + (b) –
20. 11 + 3 = 14 | 16 – 8 = 8 | (15 – 6 = 9) | (2 + 7 = 9) | 12 – 2 = 10
21. 1 ten 1 one = 11
    9 – 2 = 7 | 6 + 6 = 12 | (15 – 4 = 11) | 10 + 3 = 13 | 16 – 7 = 9
22. 14 – 2 = 12
    3 + 8 = 11 | 19 – 9 = 10 | 15 – 7 = 8 | (2 + 11 = 13) | 6 + 5 = 11
23. Circle either 5, 15 OR 7, 13 OR 9, 11.
24. **6 + 9 = 15** OR **9 + 6 = 15**
    13 – 5 = 8 OR **13 – 8 = 5**;
    OR **5 + 8 = 13** OR **8 + 5 = 13**
    15 – 6 = 9 OR **15 – 9 = 6**
25. 19 – 7 = 12
    Possible number: 10, 11
    Different digits in tens and ones ⟶ 10
    I am **10**.
26. 11 − 1 = 10 or 12 − 2 = 10
    \+ 6 = 17 − 5 = 12 or + 2 = 12 − 6 = 11
    \+ 5 = 17 − 6 = 11 or + 1 = 11 − 10 = 1
27. ☆ + ☆ = 14
    ☆ = 7
    ☆ + 3 = 7 + 3
    = **10**

Section C

28. 5th 4th 3rd 2nd 1st Right
29. 7th 6th 5th 4th 3rd 2nd 1st
30. Front
    1st 2nd 3rd
    3rd Petrina 2nd 1st Back
    Number of people in the queue ⟶ **5**
31.

Computer room	7th
Science room	6th
Music room	5th
Gymnasium	4th
Canteen	3rd
Library	2nd
Classroom	1st

(a) 2nd (b) Science room

32. papaya, orange, apple, pear

Section D

33. We ⟶ 2 letters
must ⟶ 4 letters
defend ⟶ 6 letters
our ⟶ 3 letters
country ⟶ 7 letters
ourselves ⟶ 9 letters
Longer than 'defend' ⟶ country, ourselves
Shorter than 'ourselves ⟶ **country**

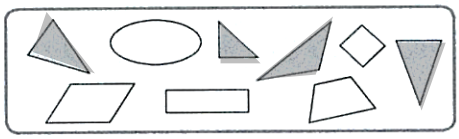
34.

S	G	E
P	O	N
E	O	G
A	D	L
K		I
		S
		(H)

Highest
Lowest

35. 11
36. 5
37. Umbrella ⟶ 5 units
Belt ⟶ 9 units
9 – 5 = 4
The umbrella is **4** units shorter than the belt.

Section E

38. 

39. 2
40. Circles ⟶ 6
Triangles ⟶ 4
6 + 4 = 10
There are **10** circles and triangles altogether.
41. Rectangles ⟶ 8
8 – 6 = 2
There are **2** more rectangles than circles.
42. 6 – 2 = 4
There are **4** less squares than circles.

Section F

43. **10 – 3 = 7**
Joshua has **7** pencils left.
44. **14 – 6 = 8**
Prisca has **8** hamsters.
45. **12 + 7 = 19**
They have **19** marbles altogether.
46. **18 – 7 = 11**
She has **11** girls in her class.

Mid Year Revision

Specimen Paper 2

Section A

1. eleven, twenty
2. 9, 14
3. 16, 17, 18
The number 17 is between 16 and **18**.
4. 11, 12, 13
The number 12 is just before **13**.
5. 17 + 3 = 20
3 more than 17 is **20**.
6. 19 – 7 = 12
7 less than 19 is **12**.
7. 19 – 10 = 9
9 and 10 make 19.
8. 18 = **1** ten **8** ones
9. 5 ones = 5
1 ten 3 ones = 13
13 + 5 = 18
5 ones more than 1 ten 3 ones is **18**.
10. 7 | 11 | (15) | 10
11. 9, 12, 16, 20
12. 15 ones = 15
1 ten 7 ones = 17
15, 16, 17
I am **16**.

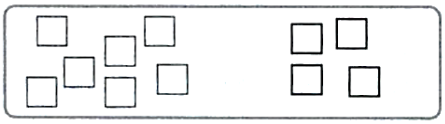
Section B

13. 20
14. 9
15. 13 + ☐ = 19
☐ = 19 – 13
= **6**
16. 8 + 9 = 17
8 and 9 make **17.**
17.

2	4	(7)
(11)	13	

18. 7 + 7 = 14 | (15 – 7 = 19) | 6 + 13 = 19 | 18 – 9 = 9
15 – 7 = 8
19. 5 + 6 = 11 | (19 – 7 = 12) | 8 + 3 = 11 | 14 – 3 = 11

20. 11 – 7 = 4



21. **7 + 9 = 16**
22. **11 – 2 = 9**
23. 13 – **4** = **9** OR 13 – **9** = **4**
24. **1 + 3 + 8 = 12**
25. (5) + (8) = (13); (3) (2)

26.

Tens	Ones
1	3 + 3 = 6

⇨ 16

27. ☆ = 11 + 1
    = 12
    ☆ – 8 = 12 – 8
    = **4**

Section C

28. Left
    1st 2nd 3rd 4th 5th
    4th 3rd 2nd 1st Right
    Rachel

    Girls ⟶ **8**

29. 
    1st 2nd 3rd 4th 5th

30. 
    Left 1st 2nd 3rd 4th 5th 6th 7th 8th 9th

For questions 31 and 32:

Gymnasium	4th (highest)
Library	3rd
Office	2nd
Canteen	1st

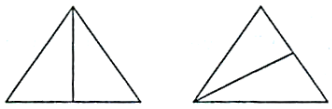
31. 1st
32. gymnasium

Section D

33. Y
34. 8
35. 9
36. B ⟶ 7 cm
    A ⟶ 9 cm
    9 – 7 = 2
    B is **2** cm(s) shorter than A.
37. C

Section E

38. There are **3** circles and **6** rectangles.
39. Triangles ⟶ 5
    6 – 5 = 1
    There is/are **1** more rectangle(s) than triangles.
40. 5 + 3 = 8
    There are **8** triangles and circles altogether.
41. △ = 10 – 2
    = 8
    15 – 8 = **7**
42. Any one line that joins a side to a corner.
    e.g.



Section F

43. **12 + 5 = 17**
    There are **17** children in the classroom.
44. **16 – 7 = 9**
    Madam Siti had **9** muffins left.
45. **8 + 8 = 16**
    Alfred has **16** cars in all.
46. **9 – 3 = 6**
    Mr Lim must choose **6** more pupils.

Chapter 9 Picture Graphs

Level 1

Exercise 1

1. (a) 5 (b) 2 (c) 6
2. 6 – 2 = 4
   There are **4** more red marbles than blue marbles.
3. 6 – 5 = 1
   There is **1** more red marble than yellow marbles.
4. 5 – 2 = 3
   There are **3** more yellow marbles than blue marbles.
5. 5 + 2 + 6 = 13
   There are **13** marbles altogether.
6. (a) 6 (b) 4
7. Clark ⟶ 4 marbles
   Clark collected the same number of marbles as **Peter**.

8. 6 – 4 = 2
   Ben collected **2** more marbles than Peter.
9. 6 – 3 = 3
   Jim collected **3** fewer marbles than Ben.
10. 6 + 4 + 3 + 4 = 17
    The four boys collected **17** marbles altogether.

Exercise 2

1. (a) 6 (b) 7 (c) 2
2. 7 – 6 = 1
   May ate **1** fewer ice cream than Javier.
3. 7 – 2 = 5
   Viviane ate **5** fewer ice creams than Javier.
4. 6 – 2 = 4
   Viviane ate **4** fewer ice creams than May.
5. 6 + 7 + 2 = 15
   The three children ate **15** ice creams altogether.
6. (a) 5 (b) 2
7. 4 – 2 = 2
   Nora has **2** more candies than Siti.
8. 5 –1 = 4
   Nikitha has **4** more candies than Natasha.
9. Zoe ⟶ 2 candies
   Zoe and **Siti** have the same number of candies.
10. 5 + 2 + 2 + 1 + 4 = 14
    The five children have **14** candies altogether.

Level 2

Exercise 1

1. (a) 5 (b) 2
2. 4 – 2 = 2
   There are **2** more tigers than pandas.
3. 4 + 5 = 9
   There are **9** tigers and lions altogether.
4. pandas
5. 5 + 1 = 6
   There are **6** lions now.
6. 4
7. 7 – 2 = 5
   5 more children like table tennis than badminton.
8. 7 – 4 = 3
   3 fewer children like basketball than football.
9. 4
10. football, table tennis

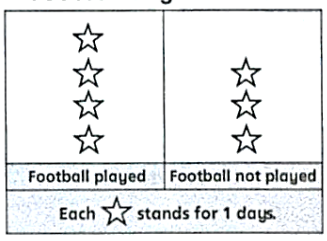
Exercise 2

1. 3
2. 4 – 1 = 3
   There were **3** more rainy days in week 2 than week 3.
3. 5 – 3 = 2
   There were **2** fewer rainy days in week 1 than week 4.
4. 3 + 4 + 1 + 5 = 13
   There were **13** rainy days altogether over the four weeks.
5. 1 week ⟶ 7 days
   7 – 1 = 6
   There were **6** days in week 3 when there was no rain.
6. 3
7. 6 – 2 = 4
   4 more pupils were absent on Friday than on Thursday.
8. 4 – 2 = 2
   2 fewer pupils were absent on Tuesday than on Monday.
9. Tuesday, Thursday
10. Total number of pupils in the class ⟶ 20
    20 – 4 = 16
    16 pupils were present on Monday.

Level 3

Exercise 1

1. **Football days in a week**



2. 4 3. 3
4. 7
5. 7 – 1 = 6
   So, we played football for **6** days.

6. **Full marks for spelling test**

Test 1	□ □ □
Test 2	□
Test 3	□ □ □ □
Each □ stands for 1 pupil.	

7. 3
8. 3 – 1 = 2
   2 more pupils scored full marks for Test 1 than Test 2.
9. 3 + 1 + 4 = 8
   8 pupils scored full marks for the three tests.
10. 19 – 3 = 16
    16 pupils did not score full marks for Test 1.

Exercise 2

1. **Food ate during recess**

Chicken rice	▼
Bread	▼ ▼ ▼
Nasi lemak	▼ ▼ ▼
Noodles	▼ ▼ ▼ ▼ ▼
Each ▼ stands for 1 child.	

2. 5
3. 3 – 1 = 2
   2 fewer children ate chicken rice than bread.
4. 4
5. bread, *nasi lemak*
6. **Favourite subject**

Mathematics	○ ○ ○
Science	○ ○
Mother tongue	○ ○
English	○ ○ ○ ○ ○ ○
Each ○ stands for 1 child.	

7. 3
8. 3 – 2 = 1
   1 more child like Mathematics than Science.
9. Science, Mother tongue
10. 6 – 1 = 5
    5 children like English now.

Chapter 10 Numbers up to 40

Level 1

Exercise 1

1.

20	21	25	28	30
twenty	twenty-one	twenty-five	twenty-eight	thirty

32	33	36	37	40
thirty-two	thirty-three	thirty-six	thirty-seven	forty

2. (a) 

   2 tens **2** ones = **22** ones

   (b) 

   2 tens **9** ones = **29** ones

   (c) 

   3 tens **4** ones = **34** ones

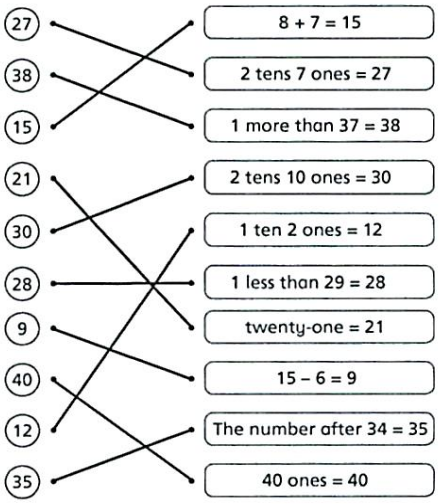
   (d) 

   3 tens **9** ones = **39** ones

3. (a) 20 + 6 = 26
   20 and 6 make **26**.
   (b) 1 + 30 = 31
   1 and 30 make **31**.
   (c) 28 – 8 = 20
   20 and 8 make 28.
   (d) 32 – 30 = 2
   30 and **2** make 32.
4. (a) 39 (b) 21
   (c) 40 (d) 40
5. (a) 2, 6 (b) 2, 2
   (c) 3, 7 (d) 3, 0

6. (a) 30 (b) 33
   (c) 40 (d) 30 + 10 = **40**
7. (a) | 27 | (29) | (b) | 35 | (40) |
8. (a) | (32) | 23 | (b) | (21) | 9 |
9. (a) | 37 | (28) | (b) | (36) | 39 |
10. (a) | (8) | 30 | (b) | (12) | 21 |

Exercise 2



Level 2

Exercise 1

1. 29 + 1 = 30
   1 more than 29 is **30**.
2. 20 – 19 = 1
   20 is greater than 19 by **1**.
3. 38, 39, <u>40</u>
   The number just after 39 is **40**.
4. 23, <u>24</u>, 25
   The number **24** is between 23 and 25.
5. <u>30</u>, 31, 32
   30 is just before 31.
6. 37 + 3 = 40
   3 more than 37 is **40**.
7. 32 – 3 = 29
   29 is 3 less than 32.
8. 34, 35, <u>36</u>
   The number 35 is between 34 and **36**.
9. 29 + 2 = 31
   31 is 2 more than 29.
10. 20 – 17 = 3
    17 is smaller than 20 by **3**.

Exercise 2

1. (a) | 27 | (28) | 24 |
   (b) | (36) | 35 | 33 |
2. (a) | 25 | (31) | 19 |
   (b) | (40) | 8 | 17 |
3. (a) | 35 | 37 | (32) |
   (b) | 29 | (20) | 24 |
4. (a) | 20 | (9) | 32 |
   (b) | (18) | 31 | 25 |
5. (a) +2 +2 +2 +2 +2: 25, 27, **29**, 31, 33, **35**
   (b) +2 +2 +2 +2 +2: **30**, 32, 34, 36, 38, **40**
6. (a) −2 −2 −2 −2 −2: 28, 26, 24, 22, **20**, **18**
   (b) −2 −2 −2 −2 −2: 29, **27**, 25, **23**, 21, 19
7. (a) +3 +3 +3 +3 +3: 9, 12, 15, 18, **21**, **24**
   (b) +3 +3 +3 +3 +3: 20, **23**, 26, 29, **32**, 35
8. (a) −3 −3 −3 −3 −3: **33**, 30, 27, 24, 21, **18**
   (b) −3 −3 −3 −3 −3: 40, 37, 34, 31, **28**, **25**
9. (a) +5 +5 +5 +5 +5: 10, **15**, 20, 25, 30, **35**
   (b) +10 +10 +10 +10: 0, 10, 20, 30, **40**
10. (a) −5 −5 −5 −5 −5: 30, 25, 20, 15, **10**, **5**
    (b) −10 −10 −10 −10: 40, **30**, 20, 10, **0**

Level 3

Exercise 1

1. 30 ones = 30 | 10 + 20 = 30 | 30 + 10 = 40 | **3 tens 1 one = 31**
2. 1 ten 2 ones = 12 | 3 + 20 = 23 | **20 + 2 = 22** | 20 ones = 20
3. 2 tens = 20 | **10 + 9 = 19** | 20 ones = 20 | 1 + 19 = 20
4. **39 ones = 39** | 20 + 20 = 40 | 3 tens 10 ones = 40 | 10 + 30 = 40
5. 10 + 20 = 30 | 20 + 9 = 29 | **3 tens 1 one = 31** | 30 ones = 30
6. **20 + 3 = 23** | 21 ones = 21 | 1 ten 12 ones = 22 | 2 tens 1 one = 21
7. 32, 35, 38
8. 7, 26, 31
9. 39, 34, 32
10. 40, 14, 4

Exercise 2

1. 25, 26, 27, 28, 29, 30
   27 is between 25 and 30.
2. 4, 5, 6, 7, 8
   5 is smaller than 7.
3. 36, 37, 38, 39
   37 is greater than 36 but smaller than 39.
4. 3 tens 10 ones = 30 + 10
   = 40
   3 tens 10 ones is the same as **40**.
5.

Tens	Ones
3	7, 8, 9 → 8

⇨ **38**

6.

Tens	Ones
2	4, 5, 6 → 6

⇨ **26**

7. 34, 35, 36, 37, 38, 39, 40
   I am either the number **38** or **39**.
8. 26, 27, 28, 29, 30
   I am either the number **27** or **29**.
9.

Digit in the ones place is less than 5	Digit in the ones place is 5	Digit in the ones place is more than 5
10 21	25 35	19 36 38

10.

Digit in the tens place is 1	Digit in the tens place is 2	Digit in the tens place is 3
13 16	21 23 29	30 32

Chapter 11 Addition and Subtraction within 40

Level 1

Exercise 1

1. 25 + 4 = **29**

	Tens	Ones
	2	5
+		4
	2	**9**

2. 31 + 8 = **39**

	Tens	Ones
	3	1
+		8
	3	**9**

3. 17 + 6 = **23**

	Tens	Ones
	¹1	7
+		6
	2	**3**

4. 23 + 9 = **32**

	Tens	Ones
	¹2	3
+		9
	3	**2**

5. 29 + 7 = **36**

	Tens	Ones
	¹2	9
+		7
	3	**6**

6. 17 + 14 = **31**

	Tens	Ones
	¹1	7
+	1	4
	3	**1**

7. 35 + 5 = **40**

	Tens	Ones
	¹3	5
+		5
	4	**0**

8. 18 + 12 = **30**

	Tens	Ones
	¹1	8
+	1	2
	3	**0**

9. 8 + 29 = **37**

	Tens	Ones
	¹2	9
+		8
	3	**7**

10. 11 + 25 = **36**

	Tens	Ones
	2	5
+	1	1
	3	**6**

Exercise 2

1. 37 – 6 = **31**

Tens	Ones
3	7
–	6
3	**1**

2. 26 – 3 = **23**

Tens	Ones
2	6
–	3
2	**3**

3. 21 – 8 = **13**

Tens	Ones
~~2~~ 1	~~11~~ 1
–	8
1	**3**

4. 35 – 7 = **28**

Tens	Ones
~~3~~ 2	~~15~~ 5
–	7
2	**8**

5. 30 – 4 = **26**

Tens	Ones
~~3~~ 2	~~10~~ 0
–	4
2	**6**

6. 31 – 9 = **22**

Tens	Ones
~~3~~ 2	~~11~~ 1
–	9
2	**2**

7. 40 – 27 = **13**

Tens	Ones
~~4~~ 3	~~10~~ 0
– 2	7
1	**3**

8. 33 – 15 = **18**

Tens	Ones
~~3~~ 2	~~13~~ 3
– 1	5
1	**8**

9. 30 – 12 = **18**

Tens	Ones
~~3~~ 2	~~10~~ 0
– 1	2
1	**8**

10. 25 – 18 = **7**

Tens	Ones
~~2~~ 1	~~15~~ 5
– 1	8
	7

Level 2

Exercise 1

1. (a) 13 ones = **1** ten **3** ones
   (b) 17 ones = **1** ten **7** ones
   (c) 25 ones = **2** tens **5** ones
   (d) 30 ones = **3** tens **0** ones

2. 23 + 5 = **28**

Tens	Ones
2	3
+	5
2	**8**

3. 4 + 27 = **31**

Tens	Ones
	4
+ ¹2	7
3	**1**

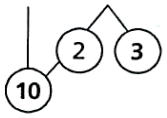
4. 40 – 11 = **29**

Tens	Ones
~~4~~ 3	~~10~~ 0
– 1	1
2	**9**

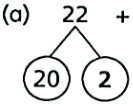
5. 29 – 16 = **13**

Tens	Ones
2	9
– 1	6
1	**3**

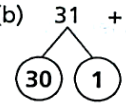
6. 8 + 5 + 3 = **16**



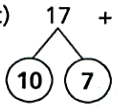
7. (a) 22 + 7 = **29**



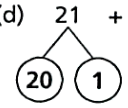
(b) 31 + 8 = **39**



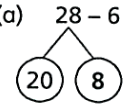
(c) 17 + 20 = **37**



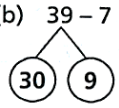
(d) 21 + 10 = **31**



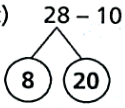
8. (a) 28 – 6 = **22**



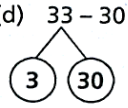
(b) 39 – 7 = **32**



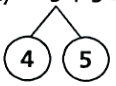
(c) 28 – 10 = **18**



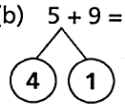
(d) 33 – 30 = **3**



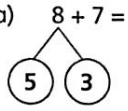
9. (a) 9 + 5 = **14**

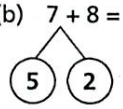


(b) 5 + 9 = **14**



10. (a) 8 + 7 = 15 (b) 7 + 8 = 15





Exercise 2

1. 19 [+] 7 = 26
2. 21 [−] 5 = 16
3. 7 [+] 28 = 35
4. 5, **10**, 15, **20**, 25
   or **5**, 10, 15, 20, **25**
5. 2, 5, 7, 8, 9
6. 5, 15, 20, 25, 35 OR 5, 15, 20, 25, 35
7. 20 − 5 = 15; 26 + 4 = 30; 19 + 6 = 25; **25 − 10 = 35**
   25 − 10 = 15
8. ~~5 + 8 + 3 = 15~~; 18 + 4 = 22; 31 − 11 = 20; 40 − 21 = 19
   5 + 8 + 3 = 16
9. 3 tens 1 one = 31
   40 − 9 = 31; 16 + 16 = 32; 10 + 3 = 13; 30 − 1 = 29
10. 1 ten 15 ones = 25
    30 − 15 = 15; 6 + 9 = 15; **10 + 15 = 25**; 25 − 10 = 15

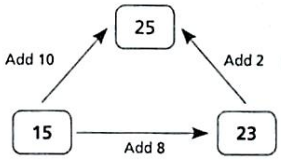
Level 3

Exercise 1

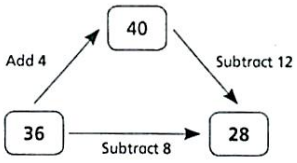
1. **15 + 5 = 20**
   His brother has **20** marbles.
2. **19 − 10 = 9**
   Her friends ate **9** pies.
3. **16 − 2 = 14**
   Bee Ling has **14** erasers.
4. **15 + 5 = 20**
   Madam Kavi bakes **20** cakes.
5. **9 + 11 = 20**
   Mr Lee and Mrs Tan have **20** pupils altogether.
6. **8 + 2 = 10**
   Alex lives on the **10th** floor.
7. **14 + 4 = 18**
   Thomas is carrying **18** books.
8. **16 − 3 = 13**
   Ming collected **13** Malaysia stamps.
9. **14 + 5 = 19**
   Madam Fauziah bakes **19** pizzas.
10. **13 − 6 = 7**
    Caleb scores **7** points.

Exercise 2

1. **8 + 9 = 17**
   There are **17** women on the bus.
2. **17 − 2 = 15**
   Albert scores **15** points.
3. 15 − 5 = 10
   \+ \+
   25 20
   = =
   40 − 10 = 30
4. 9 + 8 = ☆
   17 = ☆
   ☆ + ☆
   = 17 + 17
   = 34
5. 25 − 10 = 15
   25 − 2 = 23



6. 40 − 4 = 36
   40 − 12 = 28



7. 11 + 24 = 35

	Tens	Ones
	[3]	5
−	2	4
	1	1

8. 35 − 17 = 18

	Tens	Ones
	[1]	8
+	1	7
	3	5

9. 28 − 9 = 19

	Tens	Ones
	2	8
−	1	[9]
		9

10. 26 − 17 = 9

	Tens	Ones
	1	7
+		[9]
	2	6

Chapter 12 Multiplication and Division

Level 1

Exercise 1

1. 4 + 4 + 4 = **12**
   3 fours = **12**
   3 groups of 4 = **12**
   3 × 4 = **12**
   There are **12** sandwiches altogether.

2. 5 + 5 = **10**
   2 fives = **10**
   2 groups of 5 = **10**
   2 × 5 = **10**
   There are **10** muffins altogether.

3. There are **5** groups.
   Each group has **3** stars.
   3 + 3 + 3 + 3 + 3 = 15
   5 threes = **15**
   5 groups of 3 = **15**
   5 × 3 = **15**
   There are **15** stars altogether.

4. There are **4** groups.
   Each group has **2** eggs.
   2 + 2 + 2 + 2 = **8**
   4 twos = **8**
   4 groups of 2 = **8**
   4 × **2** = **8**
   There are **8** eggs altogether.

5. There are **3** groups.
   Each group has **3** boys.
   3 + 3 + 3 = 9
   3 × 3 = 9
   There are **9** boys altogether.

6. There are **4** groups.
   Each group has **4** crabs.
   4 + 4 + 4 + 4 = 16
   4 × 4 = 16
   There are **16** crabs altogether.

7. There are **2** groups.
   Each group has **7** toy cars.
   7 + 7 = 14
   2 × 7 = 14
   There are **14** toy cars altogether.

8. There are **6** groups.
   Each group has **2** pears.
   6 × 2 = 12
   There are **12** pears altogether.

9. There are **5** groups.
   Each group has **4** apples.
   5 × 4 = 20
   There are **20** apples altogether.

10. There are **2** groups.
    Each group has **9** cherries.
    2 × 9 = 18
    There are **18** cherries altogether.

Exercise 2

1. 
   There are **5** groups.

2. 
   There are **4** groups.

3. 
   There are **6** groups.

4. 
There are **2** groups.

5. 
There are **6** groups.

6. 
There are **3** groups.

7. 
There are **2** groups.

8. 
There are **3** groups.

9. 
There are **4** groups.

10. 
There are **3** groups.

Level 2

Exercise 1

1.

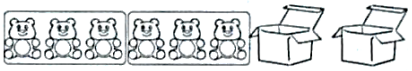
4 × 3 = 12	2 fives = 10
5 + 5 = 10	7 × 4 = 28
2 + 2 + 2 + 2 + 2 = 10	3 + 3 + 3 + 3 = 12
7 fours = 28	3 tens = 30
4 nines = 36	5 twos = 10
10 + 10 + 10 = 30	9 + 9 + 9 + 9 = 36

2. (a) 8 + 8 + 8 + 8 = 4 × **8**
   (b) 3 + 3 + 3 = 3 × **3**
   (c) 9 + 9 = **2** × 9
   (d) 4 + 4 + 4 + 4 + 4 = 5 × **4**
3. (a) 6 × 4 = 4 + **4** + 4 + 4 + 4 + 4
   (b) 5 × 6 = 6 + **6** + 6 + 6 + 6
   (c) 2 × 3 = 3 + **3**
   (d) 3 × 7 = 7 + **7** + 7
4. (a) 4 threes = 3 + 3 + 3 + 3 = **12**
   (b) 7 twos = 2 + 2 + 2 + 2 + 2 + 2 + 2 = **14**
   (c) 5 sevens = 7 + 7 + 7 + 7 + 7 = **35**
   (d) 4 tens = 10 + 10 + 10 + 10 = **40**
5. (a) 5 × 6 = 5 + 5 + 5 + 5 + 5 ☐
   (b) 6 × 2 = 12 ☑
   (c) 3 × 4 has the same answer as 4 × 3 ☑
   (d) 9 × 4 = 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 ☑
   (e) 3 × 3 = 6 ☐
   (f) 2 + 2 + 2 + 2 + 2 + 2 + 2 = 7 × 2 ☑

Exercise 2

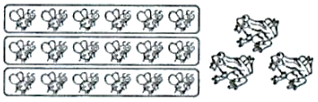
1. 
There are **5** eggs in each bowl.

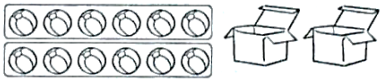
2. 
There are **3** oranges in each bag.

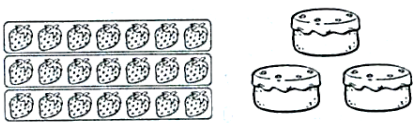
3. 
There are **3** bears in each box.

4. 
There are **4** books on each table.

5. 
Each octopus gets **3** fish.

6. 
Each frog gets **6** flies.

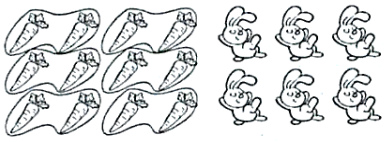
7. 
Each box carries **6** balls.

8. 

Each cake has **7** strawberries.

9. 

There are **4** muffins on each table.

10. 

Each rabbit gets **2** sticks of carrot.

Level 3

Exercise 1

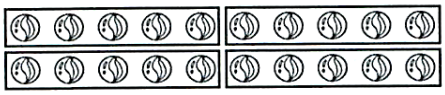
1. 

8 boxes are needed.

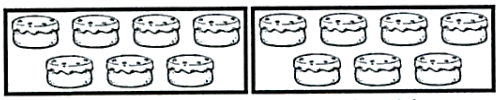
2. 

$3 \times 4 = 12$

The teacher gives **12** sheets of paper altogether.

3. 

There are **5** marbles in each bowl.

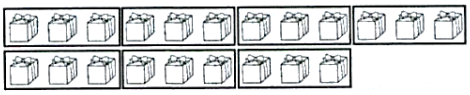
4. 

She should place **7** cakes on each table.

5. 

$6 \times 4 = 24$

There are **24** pupils altogether.

6. 

$7 \times 3 = 21$

There are **21** presents altogether.

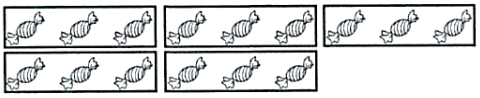
7. 

$9 \times 2 = 18$

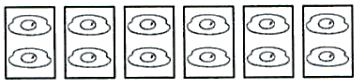
Madam Rose has **18** apple pies.

8. 

Each of them will get **6** toy cars.

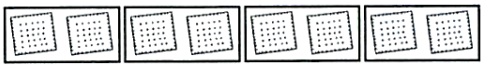
9. 

He ate **3** sweets each day.

10. 

There are **2** fried eggs on each plate.

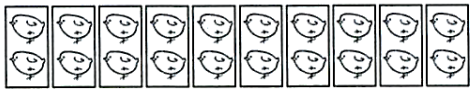
Exercise 2

1. 

She needs **4** plates.

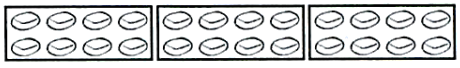
2. 

Each of them gets **5** sweets.

3. 

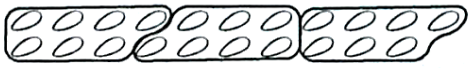
$10 \times 2 = 20$

There are **20** chicks altogether.

4. 

$3 \times 8 = 24$

Jun Hao has **24** erasers altogether.

5. 

$3 \times 7 = 21$

21 eggs are laid altogether.

6. 

He can have **6** groups.

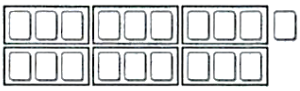
7. (a) 

$6 \times 2 = 12$

He gives **12** rubber bands to the 6 pupils.

(b) $12 + 1 = 13$

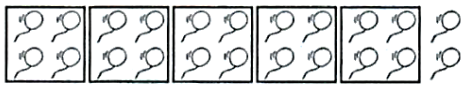
He has **13** rubber bands at first.

8. (a) 

The greatest possible number of groups of pupils is **6**.

(b) $19 - 18 = 1$

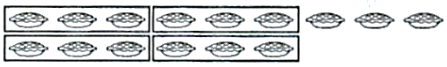
1 card is not given out.

9. (a) 

She can give out to **5** children at most.

(b) $22 - 20 = 2$

2 balloons will not be given out.

10. (a) 

$4 \times 3 = 12$

She placed **12** pies on the 4 plates.

(b) $12 + 3 = 15$

She bought **15** pies.

Chapter 13 Time

Level 1

Exercise 1

1. **4** o'clock
2. **11** o'clock
3. **7** o'clock
4. **9** o'clock
5. **1** o'clock
6. **12** o'clock
7. Half past **12**
8. Half past **6**
9. Half past **11**
10. Half past **7**

Exercise 2

1. 6:25
2. 11:05
3. 4:55
4. 12:45
5. 7:10
6. 3:50
7. 8:15
8. 2:30
9. 12:20
10. 1:25

Level 2

Exercise 1

1. 

1 o'clock

2. 

Half past 5

3. 

Half past 12

4. 

Half past 2

5. 

4 o'clock

6. 

12 o'clock

7. 

8:25

8. 

1:05

9. 

12:45

10. 

4:35

Exercise 2

1. 6:25 in the morning → 6:25 **am**
2. 12 noon → 12 **pm**
3. 4:55 in the afternoon → 4:55 **pm**
4. 12 midnight → 12 **am**
5. 10:30 at night → 10:30 **pm**
6. 11:50 in the morning → 11:50 **am**
7. James ate breakfast at **7:30 am**.
8. Joy went for her swimming lesson at **5:15 pm**.
9. Mrs Lim went to the supermarket at **1:50 pm**.
10. Baby Beth went to bed at **9:10 pm**.

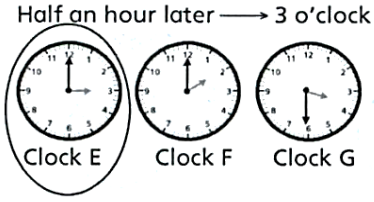
Level 3

Exercise 1

1. (a) 12 (b) 6
2. (a) 12 (b) 2
3. (a) 6 (b) 11
4. (a) 6 (b) 3 (c) 4
5. (a) 3 (b) 8 (c) 9
6. (a) 7 (b) 1 (c) 2
7. half past 5
8. half past 10
9. 4 o'clock
10. 12 o'clock

Exercise 2

1. 1 h after 8:30 am is **9:30 am**.
2. 30 min after 12:30 pm is **1:00 pm**.
3. 1 h after 6:00 pm is **7:00 pm**.
4. Half an hour after 9:00 am is **9:30 am**.
5. 30 min after 9:30 pm is **10:00 pm**.
6. Half an hour after 10:00 am is **10:30 am**.
7. D, A, C, B
8. X, W, Z, Y
9. Started swimming ⟶ half past 2
   Half an hour later ⟶ 3 o'clock



10. Started tuition ⟶ half past 7
    One hour later ⟶ half past 8

Chapter 14 Numbers up to 100

Level 1

Exercise 1

1. (a) twelve (b) thirty-four
   (c) sixty-five (d) seventy-two
   (e) ninety-three (f) one hundred
2. (a) 98 (b) 81
   (c) 74 (d) 63
   (e) 15 (f) 11
3. (a) 60 + 8 = 68
   60 and 8 make **68**.
   (b) 1 + 90 = 91
   1 and 90 make **91**.
   (c) 40 + 4 = 44
   40 and 4 make **44**.
   (d) 5 + 70 = 75
   5 and 70 make **75**.
   (e) 61 – 60 = 1
   60 and **1** make 61.
   (f) 54 – 4 = 40
   50 and 4 make 54.
4. (a) 51 (b) 69
   (c) 83 (d) 37
   (e) 46 – 40 = **6** (f) 80 – 80 = **0**
5. (a) 4, 9 (b) 5, 0
   (c) 8, 3 (d) 9, 4
6. (a) 70 (b) 100
   (c) 68 (d) 60
7. (a) 93 (95) (b) (71) 69
8. (a) 89 (98) (b) 8 (60)
9. (a) (47) 60 (b) 58 (54)
10. (a) (7) 41 (b) (99) 100

Exercise 2

1. 78, 79, 80
   The number just after 79 is **80**.
2. 95 + 5 = 100
   5 more than 95 is **100**.
3. 100 – 10 = 90
   90 is 10 less than 100.
4. 49, 50, 51
   The number 50 is between 49 and **51**.
5. 90 – 7 = 83
   83 is 7 less than 90.

6. 68 + 8 = 76
   76 is 8 more than 68.
7. 92 – 5 = 87
   5 less than 92 is **87**.
8. 60 – 9 = 51
   51 is 9 less than 60.
9. 95 + 4 = 99
   99 is 4 more than 95.
10. 98, 99, 100
    The number **100** is just after 99.

Level 2

Exercise 1

1. (a) 68 67 (70)
   (b) (49) 47 48
2. (a) 48 19 (71)
   (b) (50) 6 28
3. (a) 55 (52) 57
   (b) (80) 88 83
4. (a) 70 (9) 36
   (b) 41 (16) 29
5. (a) +5 +5 +5 +5 +5
   40, 45, 50, **55, 60,** 65
   (b) +10 +10 +10 +10 +10
   50, 60, 70, 80, 90, 100
6. (a) –10 –10 –10 –10 –10
   71, 61, 51, 41, **31, 21**
   (b) –5 –5 –5 –5 –5
   50, **45,** 40, 35, 30, **25**
7. 56, 60, 65
8. 11, 50, 100
9. 94, 91, 90
10. 88, 28 , 8

Exercise 2

1. 59 (81) 69 (91) 76
2. (38) 95 65 (61) 100
3. (50) 45 (49) 54 55
4. 96 16 76 (60) (66)
5. (1) 10 (11) 100 (41)
6. 49 ones = 49 | 50 + 5 = 55 | 1 + 60 = 61 | 4 tens 15 ones = 55
7. 80 ones = 80 | 70 + 10 = 80 | 6 + 60 = 66 | 6 tens 11 ones = 71
8. 89 ones = 89 | 9 tens = 90 | 8 tens 12 ones = 92 | 8 tens 9 ones = 89
9. 8 tens 0 one = 80 | 70 + 8 = 78 | 91 ones = 91 | 6 tens 19 ones = 79
10. 90 + 8 = 98 | 10 + 80 = 90 | 98 ones = 98 | 9 tens 10 ones = 100

Level 3

Exercise 1

1. 3 tens 16 ones = 30 + 16
   = 46
   3 tens 16 ones is the same as **46**.
2. 86, 87, 88, 89
   88 is smaller than 90 but greater than 85.
3. 8 tens 10 ones = 80 + 10
   = 90
   90 is the same as 8 tens 10 ones.
4. 18 + 2 = 20
   20 is 2 greater than 18.
5. 90 – 5 = 85
   5 less than 90 is **85**.
6. 10 tens = 100
   100 is 10 tens.
7. 2-digit numbers provided: (smallest) 10, 20, 36, 46, 80, 85, 88, 90, 91 (greatest)
   The greatest 2-digit number is **91**.
8. 30 + 6 = 36
   6 more than 30 is **36**.
9. 75 + 5 = 80
   80 is 5 more than 75.
10. The smallest 2-digit number is **10**.

Exercise 2

1.

Tens	Ones
7, 8, 9 → 9	2

⇨ 92

2.

Tens	Ones
8	0, 1, 2 → 1

⇨ 81

3.

Tens	Ones
5	6 + 3 = 9

⇨ 59

4. Numbers between 60 and 70: 61, 62, 63, 64, 65, 66, 67, 68, 69
   I am either the number **61** or **62**.
5. Numbers between 40 and 47: 41, 42, 43, 44, 45, 46
   I am the number **46**.
6.

Tens	Ones
Digit greater than 8 →9	10 – 1 = 9

⇨ **99**

7.

Tens	Ones
Digit less than 6 →5	5 + 2 = 7

⇨ **57**

8. Numbers between 71 and 75: 72, 73, 74
   I am either the number **72** or **74**.
9. The number can be from 40 to 50.
   The number is greater than 44 but not greater than 46.
   The secret number can either be **45** or **46**.
10. The number is greater than 50, but not smaller than 80.
    The number is greater than 82 but not greater than 85.
    The secret number can either be **83**, **84** or **85**.

Chapter 15 Addition and Subtraction within 100

Level 1

Exercise 1

1. 42 + 7 = **49**

	Tens	Ones
	4	2
+		7
	4	**9**

2. 81 + 6 = **87**

	Tens	Ones
	8	1
+		6
	8	**7**

3. 56 + 30 = **86**

	Tens	Ones
	5	6
+	3	0
	8	**6**

4. 20 + 40 = **60**

	Tens	Ones
	4	0
+	2	0
	6	**0**

5. 74 + 25 = **99**

	Tens	Ones
	7	4
+	2	5
	9	**9**

6. 39 + 8 = **47**

	Tens	Ones
	$^{1}3$	9
+		8
	4	**7**

7. 81 + 9 = **90**

	Tens	Ones
	$^{1}8$	1
+		9
	9	**0**

8. 67 + 4 = **71**

	Tens	Ones
	$^{1}6$	7
+		4
	7	**1**

9. 39 + 31 = **70**

	Tens	Ones
	$^{1}3$	9
+	3	1
	7	**0**

10. 56 + 38 = **94**

	Tens	Ones
	$^{1}5$	6
+	3	8
	9	**4**

Exercise 2

1. 77 – 5 = **72**

	Tens	Ones
	7	7
–		5
	7	**2**

2. 95 – 4 = **91**

	Tens	Ones
	9	5
–		4
	9	**1**

3. 90 – 70 = **20**

	Tens	Ones
	9	0
–	7	0
	2	**0**

4. 63 – 50 = **13**

	Tens	Ones
	6	3
–	5	0
	1	**3**

5. 94 – 43 = **51**

	Tens	Ones
	9	4
–	4	3
	5	**1**

6. 41 – 9 = **32**

	Tens	Ones
	~~$^{3}4$~~	~~$^{11}1$~~
–		9
	3	**2**

7. 70 – 5 = **65**

	Tens	Ones
	~~6~~ 7	~~10~~ 0
–		5
	6	5

8. 80 – 38 = **42**

	Tens	Ones
	~~7~~ 8	~~10~~ 0
–	3	8
	4	2

9. 62 – 39 = **23**

	Tens	Ones
	~~5~~ 6	~~12~~ 2
–	3	9
	2	3

10. 97 – 88 = **9**

	Tens	Ones
	~~8~~ 9	~~17~~ 7
–	8	8
		9

Level 2

Exercise 1

1. (a) 7, 3 (b) 3, 7
   (c) 9, 0 (d) 8, 6
2. (a) 5 tens **9** ones = **59** ones
   (b) 7 tens **7** ones = 6 tens **17** ones
   (c) 9 tens **6** ones = 8 tens **16** ones
   (d) 8 tens = 7 tens **10** ones
3. 75 [–] 11 = 64
4. 36 [+] 30 = 66
5. 68 [+] 19 = 87
6. 43 [–] 18 = 25
7. 90 – 76 = 14 → 54 + 9 = 63
   39 + 12 = 51 → 40 + 11 = 51
   8 + 3 + 6 = 17 → 5 + 7 + 2 = 14
   97 – 34 = 63 → 58 – 41 = 17

Exercise 2

1. ~~5~~ 20 25 35 ~~45~~
2. 10 25 ~~30~~ 40 ~~45~~
3. ~~25~~ 45 65 ~~75~~ 85
4. 9 (16) 27 (35) 43
5. 29 36 (41) (56) 62
6. 90 + 9 = 99 ~~99 – 9 = 89~~ 9 + 89 = 98 99 – 89 = 10
   99 – 9 = 90
7. ~~35 + 35 = 60~~ 60 + 35 = 95 90 – 35 = 55 90 – 60 = 30
   35 + 35 = 70

8. 7 tens 6 ones = 76

40 – 36 = 4 | 36 + 36 = 72 | 7 + 60 = 67 | (90 – 14 = 76)

9. 7 tens 14 ones = 84

70 – 14 = 56 | (42 + 42 = 84) | 4 + 70 = 74 | 94 – 20 = 74

10. 60 – 7 = 53 | 3 + 50 = 53 | ~~80 – 37 = 43~~ | 14 + 39 = 53

Level 3

Exercise 1

1. **8 + 11 = 19**
   There are **19** black cars.
2. **20 – 4 = 16**
   Daniel has **16** stamps left.
3. **19 – 2 = 17**
   There are **17** boys.
4. **9 – 5 = 4**
   Charles bought **4** rubber balls.
5. **14 – 6 = 8**
   Mr Tan sold **8** buns in the afternoon.
6. **10 + 5 = 15**
   Class 1C scores **15** points.
7. **13 – 8 = 5**
   His father bought **5** goldfish for him.
8. **9 + 2 = 11**
   There were **11** eggs in the nest at first.
9. **13 – 3 = 10**
   10 toy cars are not spoilt.
10. **7 + 9 = 16**
    She puts **16** cherries on both cakes.

Exercise 2

1. 5 → (Add 25) → 30 → (Add 10) → 40 → (Subtract 35) → 5
2. 99 → (Add 61) → 38 → (Add 16) → 22 → (Subtract 77) → 99

3. 59 + 8 = 67

Tens	Ones
[6]	7
–	8
5	9

4. 60 – 19 = 41

Tens	Ones
[4]	1
+ 1	9
6	0

5. 91 – 16 = 75

Tens	Ones
9	1
– [7]	5
1	6

6. 90 – 55 = 35

Tens	Ones
5	5
+ [3]	5
9	0

7. 91 – 63 = 28

Tens	Ones
6	3
+ 2	[8]
9	1

8. 92 – 26 = 66

Tens	Ones
9	2
– 6	[6]
2	6

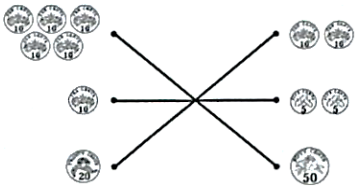
9. 3 + A + 2 = 15
A = 15 – 3 – 2
= 10
5 + B + 4 = 15
B = 15 – 5 – 4
= 6
2 + C + 4 = 15
C = 15 – 2 – 4
= 9
A : **10** B : **6** C : **9**

10. 9 + D + 4 = 20
D = 20 – 9 – 4
= 7
4 + 8 + E = 20
E = 20 – 4 – 8
= 8
OR
9 + 3 + E = 20
E = 20 – 9 – 3
= 8
D : **7** E : **8**

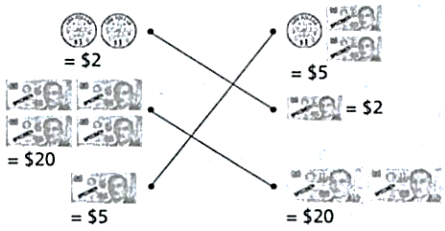
Chapter 16 Money

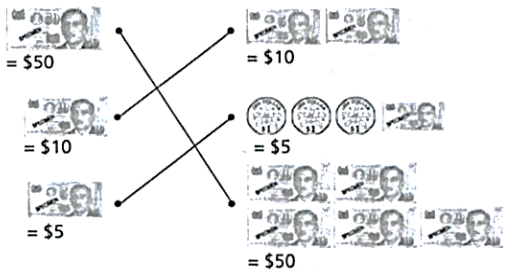
Level 1

Exercise 1

1. 

2. (a) **20¢** (b) **80¢**
(c) **15¢** (d) **30¢**
(e) **65¢** (f) **100¢ = $1**

3. 

4. 

5. (a) **$5** (b) **$10**
(c) **$16** (d) **$15**
(e) **$25** (f) **$36**

6. (a) 10¢ = 5¢ + 5¢
1 ten-cent coin = **2** five-cent coins
(b) 20¢ = 10¢ + 10¢
1 twenty-cent coin = **2** ten-cent coins
(c) 50¢ = 5¢ + 5¢ + 5¢ + 5¢ + 5¢ + 5¢ + 5¢ + 5¢ + 5¢ + 5¢
1 fifty-cent coin = **10** five-cent coins
(d) 50¢ = 10¢ + 10¢ + 10¢ + 10¢ + 10¢
1 fifty-cent coin = **5** ten-cent coins

7. (a) $1 = 20 × 5¢
1 one-dollar coin = **20** five-cent coins
(b) $1 = 10¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢ + 10¢
1 one-dollar coin = **10** ten-cent coins
(c) $1 = 20¢ + 20¢ + 20¢ + 20¢ + 20¢
1 one-dollar coin = **5** twenty-cent coins
(d) $1 = 50¢ + 50¢
1 one-dollar coin = **2** fifty-cent coins

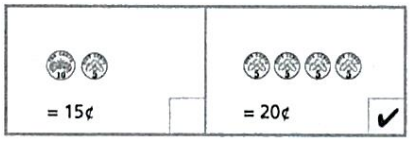
8. (a) $2 = $1 + $1
1 two-dollar note = **2** one-dollar coins
(b) $5 = $1 + $1 + $1 + $1 + $1
1 five-dollar note = **5** one-dollar coins
(c) $10 = $1 + $1 + $1 + $1 + $1 + $1 + $1 + $1 + $1 + $1
1 ten-dollar note = **10** one-dollar coins
(d) $10 = $5 + $5
1 ten-dollar note = **2** five-dollar notes

9. (a) $50 = 50 × $1
1 fifty-dollar note = **50** one-dollar coins
(b) $50 = 25 × $2
1 fifty-dollar note = **25** two-dollar notes
(c) $50 = $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5
1 fifty-dollar note = **10** five-dollar notes
(d) $50 = $10 + $10 + $10 + $10 + $10
1 fifty-dollar note = **5** ten-dollar notes

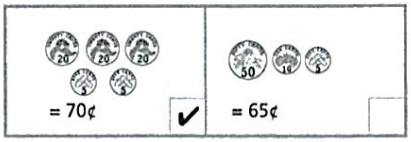
10. (a) $100 = 100 × $1
1 one hundred-dollar note
= **100** one-dollar coins
(b) $100 = 50 × $2
1 one hundred-dollar note
= **50** two-dollar notes
(c) $100 = 20 × $5
1 one hundred-dollar note
= **20** five-dollar notes
(d) $100 = $50 + $50
1 one hundred-dollar note
= **2** fifty-dollar notes

Exercise 2

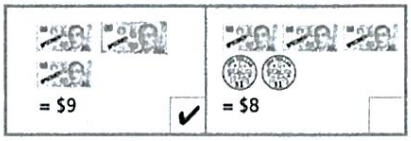
1. (a)



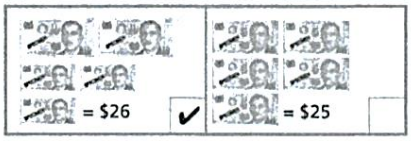
(b)



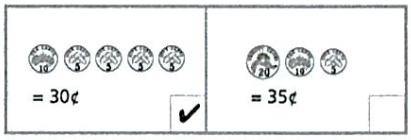
2. (a)



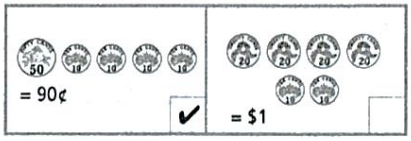
(b)



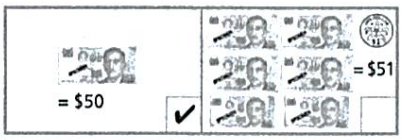
3. (a)



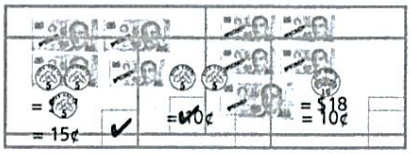
(b)



4. (a)

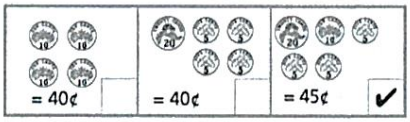


(b)



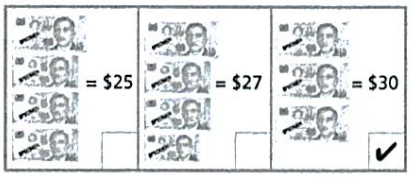
5. (a)

(b)

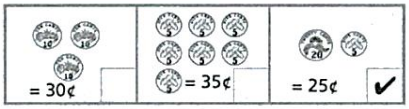


6. (a)

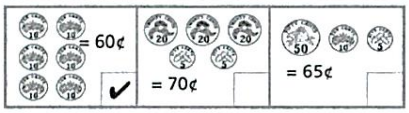
(b)



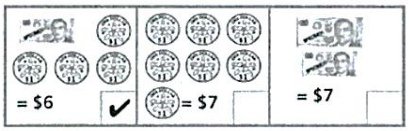
7. (a)



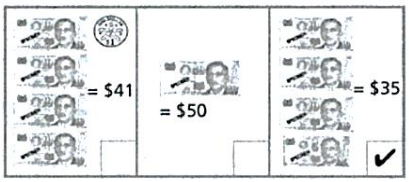
(b)



8. (a)



(b)



9. (a) Hot chocolate ⟶ 50¢
50¢ = 10¢ + 10¢ + 10¢ + 10¢ + 10¢
She needs to pay **5** ten-cent coins.

(b) Lemonade ⟶ 60¢
60¢ = 20¢ + 20¢ + 20¢
She needs to pay **3** twenty-cent coins.

10. (a) Fish burger ⟶ $3
$3 = $1 + $1 + $1
She pays with **3** one-dollar coins.

(b) Curry puff ⟶ $1
$1 = 50¢ + 50¢
He pays **2** fifty-cent coins.

Level 2

Exercise 1

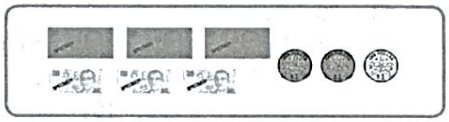
1.

2.

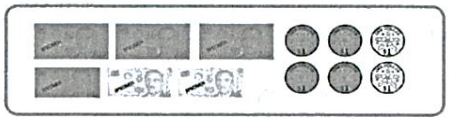
3.

4.

5.

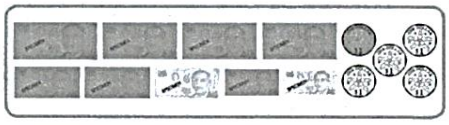


6.



7.

8.



9. (a) 55 (b) 80
(c) 9

10. (a) 22 (b) 63
(c) 18

Exercise 2

1. (a) **30¢ + 50¢ = 80¢**
He has to pay **80¢**.

(b) **90¢ – 80¢ = 10¢**
He will get back **10¢**.

2. (a) **70¢ + 25¢ = 95¢**
She has to pay **95¢**.

(b) $1 = 100¢
100¢ – 95¢ = 5¢
She will get back **5¢**.

3. (a) **35¢ + 35¢ = 70¢**
She has to pay **70¢**.

(b) **100¢ – 70¢ = 30¢**
She will get back **30¢**.

4. Amount of money left after buying beach ball
⟶ 60¢ – 30¢
= 30¢
He can buy a packet of **milk** which costs 25¢.

5. Milk + beach ball + candy = 25¢ + 30¢ + 35¢
= 90¢
She can buy a packet of **milk**, a **beach ball** and a **candy**.

6. (a) **$5 + $3 = $8**
He has to pay $8.

(b) **$10 – $8 = $2**
He will get back $2.

7. (a) **$4 + $3 + $4 = $11**
   He has to pay **$11**.
   (b) **$20 – $11 = $9**
   He will get back **$9**.
8. (a) **$5 + $2 = $7**
   She has to pay **$7**.
   (b) **$50 – $7 = $43**
   She will get back **$43**.
9. Amount spent ⟶ $5 + $5 + $3
   = $13
   $20 – $13 = $7
   He will get back **$7**.
10. Muffin + soft drink = $3 + $2
    = $5
    She can buy a **muffin** and a can of **soft drink**.

Level 3

Exercise 1

1. $1 = 100¢
   100¢ – 45¢ = **55¢**
2. $1 = 100¢
   100¢ – 80¢ = **20¢**
3. $5 – $1 = **$4**
4. $10 – $9 = **$1**
5. $50 – $34 = **$16**
6. (a) **$17 + $8 = $25**
   He has to pay **$25** altogether.
   (b) **$17 – $8 = $9**
   The teddy bear costs **$9** more than the toy train.
7. (a) **$35 + $23 = $58**
   She has to pay **$58** altogether.
   (b) **$35 – $23 = $12**
   The dress costs **$12** more than the blouse.
8. (a) **$45 + $37 = $82**
   He has to pay **$82** altogether.
   (b) **$45 – $37 = $8**
   The ball costs **$8** less than the racket.
9. (a) **$63 + $7 = $70**
   She has to pay **$70** altogether.
   (b) **$63 – $7 = $56**
   The bracelet costs **$56** more than the watch.
10. (a) **$90 + $4 = $94**
    She has to pay **$94** altogether.
    (b) **$90 – $4 = $86**
    The ribbon costs **$86** less than the dress.

Exercise 2

1. (a) **50¢ + 20¢ = 70¢**
   He has to pay **70¢** altogether.
   (b) **50¢ – 20¢ = 30¢**
   The cup of juice costs **30¢** less than the bowl of noodles.
2. **40¢ + 50¢ = 90¢**
   Ali has **90¢** at first.
3. **20¢ + 25¢ + 20¢ = 65¢**
   Ming has **65¢** at first.
4. $1 = 100¢
   100¢ – 25¢ = 75¢
   She will get **75¢** as change.
5. **50¢ – 40¢ = 10¢**
   He needs **10¢** more.
6. (a) **$8 + $19 = $27**
   She has to pay **$27** altogether.
   (b) **$23 + $27 = $50**
   She has **$50** at first.
7. **$15 + $46 = $61**
   He has **$61** at first.
8. **$50 – $8 = $42**
   She will get **$42** as change.
9. **$100 – $46 = $54**
   She will get **$54** as change.
10. **$19 – $8 = $11**
    He needs **$11** more.

End of Year Revision

Specimen Paper 1

Section A

1. forty-five, one hundred
2. 39, 97
3. 6, 2
4. 8 tens 1 one = 81 | 80 + 8 = 88 | 7 tens 9 ones = 79 | 82 ones = 82
5. 70 – 5 = 65
   65 is 5 less than 70.
6. 42, 45, 48, 51, 54, 57, 60 (+3 +3 +3 +3 +3 +3)

7. 40 – 35 = 5
   5 less than 40 is 35.
8.

Tens	Ones
5	6 + 2 = 8

⇨ 58

Section B

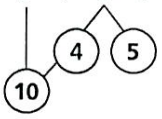
9. 32 + 19 = **51**

$$\begin{array}{r} {}^{1}3\ \ 2 \\ +\ 1\ \ 9 \\ \hline 5\ \ 1 \end{array}$$

10. 47 – 36 = **11**

$$\begin{array}{r} 4\ \ 7 \\ -\ 3\ \ 6 \\ \hline 1\ \ 1 \end{array}$$

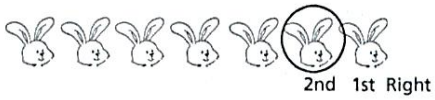
11. 60
12. 66
13. 38 – 20 = **18**
14. 6 + 9 + 4 = **19**

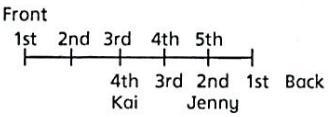


15. 65 + 26 = 91
    Missing number ⟶ **1**
16. 25 and 75 OR 35 and 65

Section C

17. 

18. 

19. 

    Jenny is **5th** in the queue from the front.
20. Khairul, Wei Hong, Mathan, Chris

Section D

21. 7 – 3 = 4
    The eraser is **4** cm shorter than the pencil.
22. brush

Section E

23. triangles, circle

For questions 24 to 26:
Rectangle ⟶ 5
Triangle ⟶ 3
Square ⟶ 1
Circle ⟶ 12

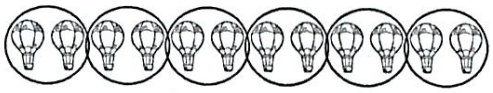
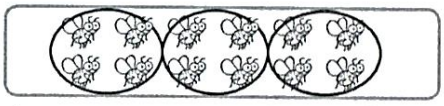
24. 5 + 3 = 8
    There are **8** rectangles and triangles in the picture.
25. 12 – 1 = 11
    There are **11** fewer squares than circles in the picture.
26. 12 – 3 = 9
    There are **9** more circles than triangles in the picture.

Section F

For questions 27 to 30:
Ayishah ⟶ 6
Wan Ling ⟶ 2
Claudia ⟶ 4
Devi ⟶ 3
Viviane ⟶ 1
Jessica ⟶ 3

27. Ayishah
28. 2 + 3 = **5**
29. 4 – 1 = **3**
30. **Devi** and **Jessica**

Section G

31. 
32. **6 × 2 = 12**
33. 
    There are **3** groups.
34. 4

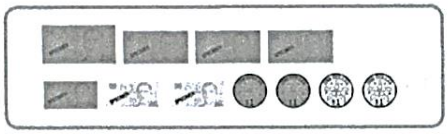
Section H

35. 7:35 am
36. 

37. (a) 8 (b) 12

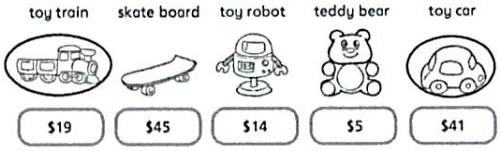
Section I

38. 45¢

39. 

40. $50 = $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5 + $5
1 fifty-dollar note = **10** five-dollar notes

41. toy train and toy car ⟶ $19 + $41
= $60



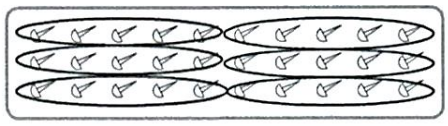
42. $5 = 25 × 20¢
The cashier gives **25** twenty-cent coins to Mark.

Section J

43. **35 + 55 = 90**
They have **90** marbles altogether.

44. **4 × 5 = 20**
The teacher gives out **20** pencils altogether.

45. **$40 – $19 = $21**
The dress costs **$21** more than the skirt.

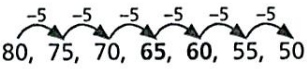
46. 
There are **5** pins in each bag.

End of Year Revision

Specimen Paper 2

Section A

1. 18
2. 98, 99, 100
The number after 99 is **100**.
3. 8 ones = 8
2 tens 2 ones = 22
22 + 8 = 30
8 ones more than 2 tens 2 ones is **30**.
4. 10
5. 91 – 1 = 90
1 and **90** make 91.



6. 80, 75, 70, **65**, **60**, 55, 50

7. (30 + 5 = 35) (4 tens = 40) (2 tens 16 ones = 36) (3 tens 9 ones = 39)

8. 80, 52, 47, 9

Section B

9. 52 + 46 = **98**

	5	2
+	4	6
	9	**8**

10. 90 – 39 = **51**

	^{8}9	^{10}0
–	3	9
	5	**1**

11. 30 + 38 = 68
= **6** tens **8** ones

12. 91 – 2 = 89
= **8** tens **9** ones

13. 50 = 40 + 10
= 4 tens **10** ones

14. 71 – 13 = 58
Missing number ⟶ **5**

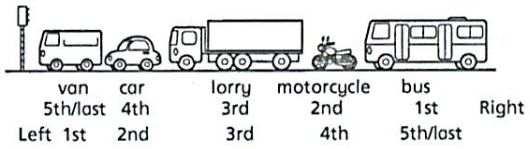
15. ✿ + ✿ = 10
✿ = 5
✿ + 25 = 5 + 25
= **30**

16.

Tens	Ones
5, 6, 7 → 6	7, 8, 9 → 9

⇨ 69

Section C



17. 5th/last
18. car
19. motorcycle
20. 5th/last

Section D

For questions 21 and 22:
A ⟶ 8 cm
B ⟶ 10 cm
C ⟶ 7 cm
D ⟶ 8 cm
E ⟶ 9 cm

21. **A** and **D**
22. 10 – 7 = 3
    The longest stick is **3** cm longer than the shortest stick.

Section E

For questions 23 to 26:
Triangle ⟶ 8
Circle ⟶ 5
Rectangle ⟶ 1

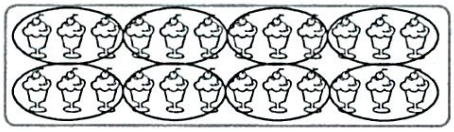
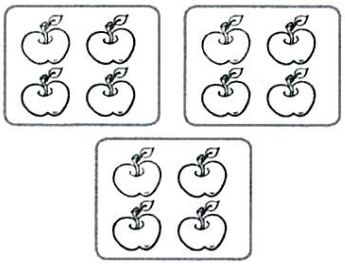
23. 8
24. 5 + 1 = 6
    There are **6** circles and rectangles.
25. 8 – 1 = 7
    There are **7** more triangles than rectangles.
26. 5 + 8 + 1 = 14
    There are **14** shapes altogether.

Section F

For questions 27 to 30:
Mango ⟶ 9
Papaya ⟶ 4
Apple ⟶ 3
Banana ⟶ 8
Durian ⟶ 4

27. 8
28. 9 – 3 = 6
    6 more pupils like mangoes than apples.
29. 9 + 4 + 3 + 8 + 4 = 28
    There are **28** pupils in the class altogether.
30. mango

Section G

31. 3
32. 
    There are **8** groups.
33. 
34. **3 × 4 = 12**

Section H

35. half past 4
36. 8 o'clock
37. 10:15 pm

Section I

38. $67
39. 
40. $83
41. $2 = 20 × 10¢
    1 two-dollar note = **20** ten-cent coins
42.

	Statement	Put a tick (✔) if statement is correct.
(a)	There are 3 one-dollar coins.	
(b)	There is only 1 fifty-dollar note.	
(c)	I can exchange all the notes with 7 one-dollar coins.	✔
(d)	I can exchange all the coins with 3 fifty-cent coins.	✔

Section J

43. **4 + 8 + 5 = 17**
    The three girls have **17** pencils altogether.
44. **75 – 43 = 32**
    Mr Ho had **32** apples left.
45. **2 × 5 = 10**
    Madam Siti has **10** curry puffs altogether.
46. **$55 – $36 = $19**
    The calculator costs **$19** less than the binoculars.