

CHAPTER 6: FOUR OPERATION USING MENTAL CALCULATION**Level 1** **Exercise 1 – Mental addition**

Add tens first, then add ones

1. $45 + 24 =$ _____

2. $31 + 57 =$ _____

3. $72 + 15 =$ _____

4. $53 + 46 =$ _____

Add one more ten first, then subtract ones

5. $45 + 28 =$ _____

6. $37 + 59 = \underline{\hspace{2cm}}$

7. $74 + 97 = \underline{\hspace{2cm}}$

8. $56 + 26 = \underline{\hspace{2cm}}$

9. $29 + 34 = \underline{\hspace{2cm}}$

10. $18 + 95 = \underline{\hspace{2cm}}$

Exercise 2 – Mental Subtraction

Subtract tens first, then subtract ones

1. $56 - 25 = \underline{\hspace{2cm}}$

2. $43 - 11 = \underline{\hspace{2cm}}$

3. $97 - 34 = \underline{\hspace{2cm}}$

4. $89 - 75 = \underline{\hspace{2cm}}$

Subtract one more ten first, then add ones

5. $35 - 18 = \underline{\hspace{2cm}}$

6. $47 - 29 = \underline{\hspace{2cm}}$

7. $63 - 15 = \underline{\hspace{2cm}}$

8. $81 - 52 = \underline{\hspace{2cm}}$

9. $70 - 37 =$ _____

10. $94 - 45 =$ _____

5. $4 \times 600 = 4 \times \underline{\hspace{2cm}}$ hundreds

$= \underline{\hspace{2cm}}$ hundreds

$= \underline{\hspace{2cm}}$

6. $8 \times 300 = 8 \times \underline{\hspace{2cm}}$ hundreds

$= \underline{\hspace{2cm}}$ hundreds

$= \underline{\hspace{2cm}}$

7. $9 \times 40 = \underline{\hspace{2cm}}$ tens

$= \underline{\hspace{2cm}}$

8. $7 \times 500 = \underline{\hspace{2cm}}$ hundreds

$= \underline{\hspace{2cm}}$

9. $6 \times 20 = \underline{\hspace{2cm}}$

10. $3 \times 700 = \underline{\hspace{2cm}}$

Exercise 2 – Mental Division

1. $60 \div 3 = 6 \text{ tens} \div 3$

$= \underline{\hspace{2cm}}$ tens

$= \underline{\hspace{2cm}}$

2. $320 \div 4 = \underline{\hspace{2cm}}$ tens $\div 4$

$= \underline{\hspace{2cm}}$ tens

$= \underline{\hspace{2cm}}$

3. $630 \div 7 = \underline{\hspace{2cm}}$ tens $\div 7$
 $= \underline{\hspace{2cm}}$ tens
 $= \underline{\hspace{2cm}}$

4. $2100 \div 3 = 21$ hundreds $\div 3$
 $= \underline{\hspace{2cm}}$ hundreds
 $= \underline{\hspace{2cm}}$

5. $4800 \div 6 = \underline{\hspace{2cm}}$ hundreds $\div 6$
 $= \underline{\hspace{2cm}}$ hundreds
 $= \underline{\hspace{2cm}}$

6. $1800 \div 2 = \underline{\hspace{2cm}}$ hundreds $\div 2$
 $= \underline{\hspace{2cm}}$ hundreds
 $= \underline{\hspace{2cm}}$

7. $540 \div 9 = \underline{\hspace{2cm}}$ tens
 $= \underline{\hspace{2cm}}$

8. $2700 \div 3 = \underline{\hspace{2cm}}$ hundreds
 $= \underline{\hspace{2cm}}$

9. $720 \div 8 = \underline{\hspace{2cm}}$

10. $3500 \div 5 = \underline{\hspace{2cm}}$

CHAPTER 6: FOUR OPERATION USING MENTAL CALCULATION

**Exercise 1 – Mental Multiplication**

1. $6 \times 30 = 6 \times 3$ tens
= _____ tens
= _____
2. $5 \times 80 = 5 \times$ _____ tens
= _____ tens
= _____
3. $7 \times 70 = 7 \times$ _____ tens
= _____ tens
= _____
4. $2 \times 900 = 2 \times 9$ hundreds
= _____ hundreds
= _____

$$5. \quad 4 \times 600 = 4 \times \underline{\hspace{2cm}} \text{ hundreds}$$

$$= \underline{\hspace{2cm}} \text{ hundreds}$$

$$= \underline{\hspace{2cm}}$$

$$6. \quad 8 \times 300 = 8 \times \underline{\hspace{2cm}} \text{ hundreds}$$

$$= \underline{\hspace{2cm}} \text{ hundreds}$$

$$= \underline{\hspace{2cm}}$$

$$7. \quad 9 \times 40 = \underline{\hspace{2cm}} \text{ tens}$$

$$= \underline{\hspace{2cm}}$$

$$8. \quad 7 \times 500 = \underline{\hspace{2cm}} \text{ hundreds}$$

$$= \underline{\hspace{2cm}}$$

$$9. \quad 6 \times 20 = \underline{\hspace{2cm}}$$

$$10. \quad 3 \times 700 = \underline{\hspace{2cm}}$$

Exercise 2 – Mental Division

$$1. \quad 60 \div 3 = 6 \text{ tens} \div 3$$

$$= \underline{\hspace{2cm}} \text{ tens}$$

$$= \underline{\hspace{2cm}}$$

$$2. \quad 320 \div 4 = \underline{\hspace{2cm}} \text{ tens} \div 4$$

$$= \underline{\hspace{2cm}} \text{ tens}$$

$$= \underline{\hspace{2cm}}$$

3. $630 \div 7 =$ _____ tens $\div 7$
= _____ tens
= _____
4. $2100 \div 3 = 21$ hundreds $\div 3$
= _____ hundreds
= _____
5. $4800 \div 6 =$ _____ hundreds $\div 6$
= _____ hundreds
= _____
6. $1800 \div 2 =$ _____ hundreds $\div 2$
= _____ hundreds
= _____
7. $540 \div 9 =$ _____ tens
= _____
8. $2700 \div 3 =$ _____ hundreds
= _____
9. $720 \div 8 =$ _____
10. $3500 \div 5 =$ _____

CHAPTER 6: FOUR OPERATION USING MENTAL CALCULATION

Level 3**Exercise 1**

Write the correct addition/subtraction sentences and work out the answers mentally without using any working.

1. Alina had \$80. She spent \$27 and saved the rest. How much did she save?

$$\bigcirc \square \bigcirc = \bigcirc$$

2. There are 38 children and 93 adults in a concert. How many people are there altogether?

$$\bigcirc \square \bigcirc = \bigcirc$$

3. Freda saved \$29. Lynn saved \$19 more than her. How much did Lynn save?

$$\bigcirc \square \bigcirc = \bigcirc$$

4. A pet shop has 75 guppies. 32 guppies are sold. How many guppies are left?

$$\bigcirc \square \bigcirc = \bigcirc$$

5. There are 93 pupils in a hall. 49 of them are boys. How many girls are there?

$$\bigcirc \square \bigcirc = \bigcirc$$

6. Dillan has 35 marbles. He has 15 marbles fewer than Mark. How many marbles does Mark have?

$$\bigcirc \square \bigcirc = \bigcirc$$

7. Mr Hong is 28 years old. He is 13 years younger than Mr Goh. How old is Mr Goh?

$$\bigcirc \square \bigcirc = \bigcirc$$

8. Ronald spent \$17 on his lunch and had \$28 left. How much money did he have at first?

$$\bigcirc \square \bigcirc = \bigcirc$$

9. Roy paid \$57 for a dictionary and a storybook. The storybook cost \$24. Find the cost of the dictionary.

$$\bigcirc \square \bigcirc = \bigcirc$$

10. There are 49 workers in a factory. 18 of them are female.
(a) How many male workers are there?

$$\bigcirc \square \bigcirc = \bigcirc$$

- (b) How many more male than female workers are there?

$$\bigcirc \square \bigcirc = \bigcirc$$

Exercise 2

Write the correct multiplication/division sentences and work out the answers mentally without using any working.

1. The heart beats 70 times a minute. How many times does it beat in 7 minutes?

$$\bigcirc \square \bigcirc = \bigcirc$$

2. A calculator costs \$30 each. Find the cost of 6 calculators.

$$\bigcirc \square \bigcirc = \bigcirc$$

3. 200 tomatoes are packed into bags of 5. How many bags are there?

$$\bigcirc \square \bigcirc = \bigcirc$$

4. A florist sold flowers in bunches of 8. She sold 60 bunches. How many flowers did she sell?

$$\bigcirc \square \bigcirc = \bigcirc$$

5. A wire of length 360 cm long is cut into equal pieces. Each piece is 9 cm long. How many pieces are there?

$$\bigcirc \square \bigcirc = \bigcirc$$

6. 90 people grouped themselves into 3 equal groups. How many people are there in each group?

$$\bigcirc \square \bigcirc = \bigcirc$$

7. Mdm Zoe made some pineapple tarts and packed them into packets of 4. She packed a total of 500 packets. How many pineapple tarts did she make?

$$\bigcirc \square \bigcirc = \bigcirc$$

8. Mr Ahmad uses 200 litres of petrol in one month. How much petrol will he use in 5 months?

$$\bigcirc \square \bigcirc = \bigcirc$$

9. 1 kg of cherries is sold for \$9. Find the cost of 20 kg of cherries.

$$\bigcirc \square \bigcirc = \bigcirc$$

10. At a book fair, Mr Sam bought some discounted books for \$120. Each book cost \$4.

(a) How many books did he buy?

$$\bigcirc \square \bigcirc = \bigcirc$$

(b) Later, he sold all the books at \$7 each. How much money did he receive from the sale of the books?

$$\bigcirc \square \bigcirc = \bigcirc$$