

Mid-Year Examination

100

Paper 1 (50 marks)

Answer all the questions. Show your working clearly. No calculators are allowed for this paper.

1.

365 198 people tuned in to the live telecast of the Miss World pageant last night.

- (a) Which digit is in the ten thousands place?
- (b) Write down the value of the digit 1.

Ans: (a) _____ [1]

(b) _____ [1]

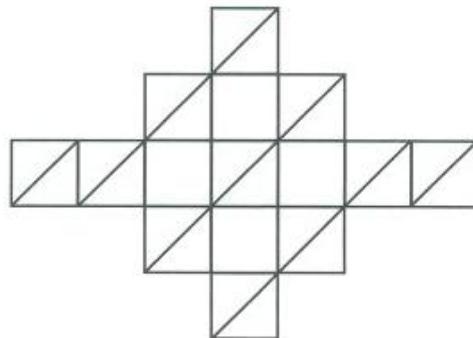
2. (a) List all the factors of 21 in ascending order.
(b) List all the multiples of 7 between 20 and 30.
(c) List all the prime numbers between 30 and 40.

Ans: (a) _____ [2]

(b) _____ [1]

(c) _____ [1]

3. Shade $\frac{3}{5}$ of the figure.



[2]

4. (a) Write 6 hundreds 20 tens in numerals.
(b) Write 1058 in words.

Ans: (a) _____ [1]

(b) _____ [1]

5. Draw a number line to represent all the integers between -2 and 3 .

[2]

6. Write the correct sign, ' $<$ ', ' $>$ ' or ' $=$ ' in each box.

(a) -69 -96

(b) 3 ones 5 tens 53

(c) $1 - (-2)$ $1 + (-2)$

[3]

7. (a) Arrange the following in ascending order.

[2]

$$2.4, 24, 2\frac{1}{2}, 0.024$$

(b) Arrange the following in descending order.

[2]

$$-53, -35, -3.5, -35\frac{1}{2}$$

8. (a) Express 0.65 as a percentage.

(b) Add $10\frac{1}{2}$ to 50%.

Ans: (a) _____ [1]

(b) _____ [1]

9. Round off 0.010 348 to
(a) 3 decimal places, and
(b) 3 significant figures.

Ans: (a) _____ [1]

(b) _____ [1]

10. Evaluate the following.
(a) $444 + 44 + 4$
(b) $40 \text{ tens} \div 20$

Ans: (a) _____ [1]

(b) _____ [2]

11. Evaluate the following.

(a) $3\frac{1}{3} + 6\frac{5}{6}$

(b) $5\frac{1}{2} \div 1\frac{7}{10}$

Ans: (a) _____ [2]

(b) _____ [2]

12. Evaluate the following.

(a) $0.28 + 1.56 - 0.05$

(b) $0.5 \div 0.01$

Ans: (a) _____ [1]

(b) _____ [1]

13. Express $\frac{7}{11}$ as a
(a) recurring decimal, and
(b) decimal correct to 2 decimal places.

Ans: (a) _____ [1]

(b) _____ [1]

14. Evaluate the following.
(a) $-4 + 3$
(b) $-14 + 7 - (-10)$

Ans: (a) _____ [1]

(b) _____ [2]

15. Evaluate the following.

(a) $4 \times (-6)$

(b)
$$\frac{(-3) \times (-2) \times (-4)}{-2 - 1}$$

Ans: (a) _____ [1]

(b) _____ [2]

16. Evaluate the following.

(a) $-\frac{1}{2} + \left(-\frac{1}{6}\right)$

(b) $-0.46 \div (-2)$

(c) $3\left(-1\frac{1}{2} \times 0.5\right)$

Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [2]

17. (a) Write $80 \text{ mm} : 50 \text{ cm}$ as a ratio in its simplest form.
(b) Given that $x : y = 5 : 8$ and $y : z = 3 : 7$, find $x : z$

Ans: (a) _____ [1]

(b) _____ [1]

18. (a) The average mass of 3 durians is 1.1 kg. Two of the durians have a mass of 1 kg each. Find the mass of the third durian.
(b) Sophia earns \$900 every month. She saves $\frac{1}{3}$ of her earnings. How many months will she take to save at least \$2160?

Ans: (a) _____ [2]

(b) _____ [2]