

Questions **1** to **10** carry 1 mark each. Questions **11** to **20** carry 2 marks each.
For each question, four options are given. One of them is the correct answer. Make
your choice and shade your answer (1, 2, 3 or 4) in the Optical Answer Sheet.

(30 marks)

1. What is the value of the digit 3 in the number 838 789?

- (1) 300
- (2) 3000
- (3) 30 000
- (4) 300 000

2. Which one of the following is the same as 56 801?

- (1) $5000 + 600 + 80 + 1$
- (2) $5000 + 600 + 800 + 1$
- (3) $50\ 000 + 6000 + 80 + 1$
- (4) $50\ 000 + 6000 + 800 + 1$

3. What is the missing number in the box?

$$8\frac{2}{3} = \frac{\boxed{}}{3}$$

- (1) 13
- (2) 16
- (3) 24
- (4) 26

4. Which of the following fractions is the greatest?

(1) $\frac{3}{5}$

(2) $\frac{3}{7}$

(3) $\frac{3}{4}$

(4) $\frac{3}{8}$

5. Which one of the following numbers is the smallest?

(1) 5.17

(2) 5.26

(3) 5.134

(4) 5.511

6. Find the value of $3 \div \frac{1}{5}$.

(1) 8

(2) 9

(3) 15

(4) 25

7. Round off 28.97 to the nearest tenth.

(1) 28.0

(2) 28.9

(3) 29.0

(4) 30.97

8. Express 0.569 as a percentage.

- (1) 0.569%
- (2) 5.69%
- (3) 56.9%
- (4) 569%

9. In the number pattern below, what is the missing number in the box?

5.45, 5.75, , 6.35, 6.65

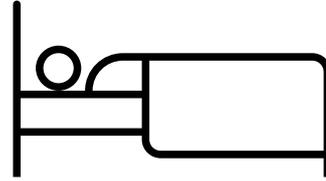
- (1) 5.78
- (2) 5.95
- (3) 6.05
- (4) 6.15

10. Express 0.25 as a fraction in the simplest form

- (1) $\frac{1}{2}$
- (2) $\frac{1}{3}$
- (3) $\frac{1}{4}$
- (4) $\frac{1}{5}$

11. John bought a bed for \$800 on sale and was left with \$200. What percentage of his money did he spend?

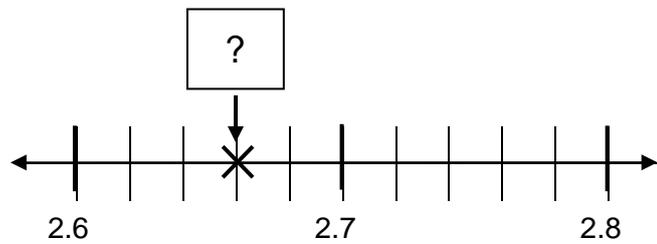
- (1) 2%
- (2) 25%
- (3) 60%
- (4) 80%



12. The area of a square is 49 cm^2 . What is its perimeter?

- (1) 20 cm
- (2) 28 cm
- (3) 36 cm
- (4) 49 cm

13. What is the missing decimal in the box?



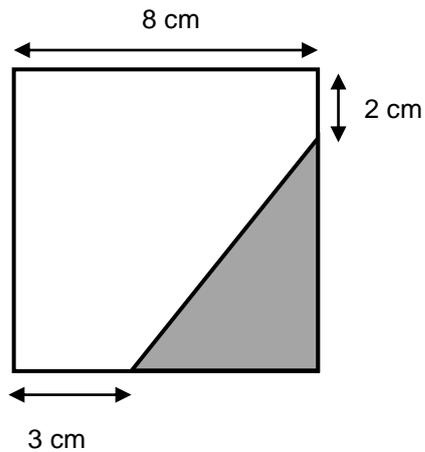
- (1) 2.63
- (2) 2.66
- (3) 2.68
- (4) 2.78

14. Sue took 15 minutes to walk to school from her house. She left home at the time shown below. At what time did she arrive at the school?

- (1) 11 55
- (2) 12 00
- (3) 12 05
- (4) 12 15



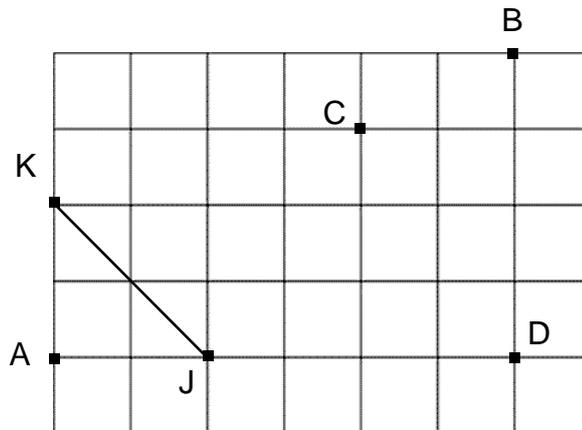
15. The square below is not drawn to scale. Find the area of the shaded triangle.



- (1) 6 cm^2
- (2) 15 cm^2
- (3) 30 cm^2
- (4) 64 cm^2

16. In the square grid below, which of the following lines, when drawn, is perpendicular to JK?

- (1) AB
- (2) CD
- (3) AC
- (4) BJ



17. The table below shows the number of winners in each prize category. What is the total amount of money given to all the winners?

Number of Winners	Prize Category
8	\$2
6	\$10
2	\$100

- (1) \$112
- (2) \$160
- (3) \$200
- (4) \$276

18. Onions are sold at \$2 for every 100 g. Mrs Lim bought 0.9 kg of onions. How much did she pay?

- (1) \$9
- (2) \$2
- (3) \$12
- (4) \$18

19. Linda was given \$140. She spent $\frac{1}{7}$ of it on food and $\frac{1}{2}$ of it on transport. How much money did she have left?

- (1) \$50
- (2) \$40
- (3) \$30
- (4) \$20

20. The average number of marbles in 4 boxes is 32. One of the boxes contains 20 marbles. How many marbles are there in the other three boxes altogether?

- (1) 128
- (2) 108
- (3) 12
- (4) 8

Questions **21** to **30** carry 2 mark each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated.

(20 marks)

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21. Find the value of
(a) $923 - 482$
(b) 8.5×8

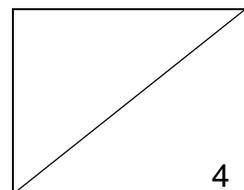
Ans: (a) _____

Ans: (b) _____

-
22. (a) List the first three common multiples of 3 and 6.
(b) List the common factors of 8 and 20.

Ans: (a) _____

Ans: (b) _____



23. Use the digits below to form the smallest 5-digit even number. Each digit can only be used once.

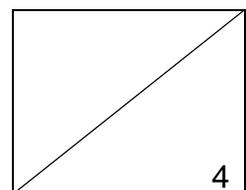


Ans: _____

24. What is the value of $\frac{2}{5} + \frac{9}{10}$?

Give your answer as a mixed number in the simplest form.

Ans: _____

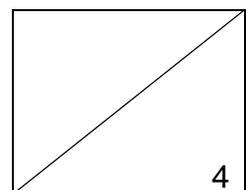


25. A luggage cost \$12 more than a bag. If I paid a total of \$56 for the luggage and the bag, how much did the bag cost?

Ans: _____

26. Ben collected some empty bottles. He gave away 69 of them for recycling and had $\frac{2}{5}$ of them left. How many bottles did Ben collect?

Ans: _____



27. Express the following in-decimal form.

(a) $\frac{12}{5}$

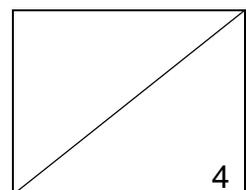
(b) 135%

Ans: (a) _____

Ans: (b) _____

28. Bella spent 35 min at the library and left the library at 2.15 p.m. At what time did she arrive at the library?

Ans: _____ p.m.

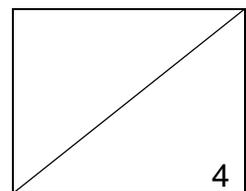


29. 50 people attended a party. 30% of them were adults.
How many children attended the party?

Ans: _____

30. Amanda weighed 58.7 kg last year. Her weight is 53.2 kg now. How much weight did she lose? Give your answer in grams.

Ans: _____ g



Questions **1** to **10** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated.

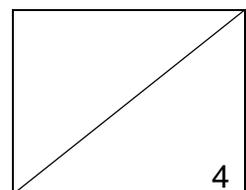
(20 marks)

1. Mr Ong bought 1 laptop for \$2 999 and 3 similar keyboards. Each keyboard costs \$62.80. He had \$500 left. How much money did he have at first?

Ans: _____

2. Felicia has 12 roses. Jessica has three times as many roses as Felicia but 6 roses less than Helen. How many roses does Helen have?

Ans: _____



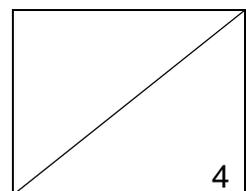
3. What is the missing number in the box?

$$\frac{3}{5} = \frac{45}{\boxed{?}}$$

Ans: _____

4. Oscar has \$33 to buy some stamps. Each stamp cost 40¢. What is the maximum number of such stamps can he buy with his money?

Ans: _____



5. A lorry can carry at most 30 workers.

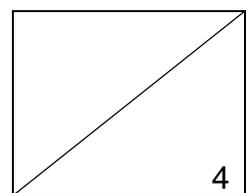
What is the **least** number of lorries needed to carry 555 workers?

Ans: _____

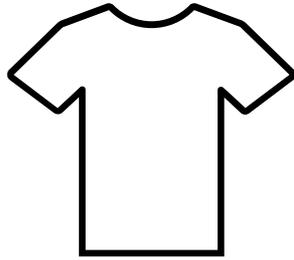
6. After eating $\frac{1}{10}$ of a pie and giving away a fraction of it, I was left with $\frac{1}{2}$ of the pie. What fraction of the cake did I give away?

(Give your answer in its simplest form.)

Ans: _____



7. What was the price of the T-shirt after the discount?



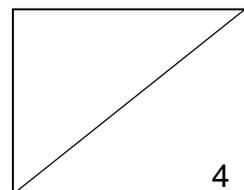
T-shirt

Usual price: \$30
Discount: 25%

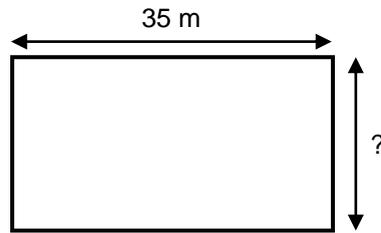
Ans: \$ _____

8. Mr Choo deposits \$30 000 in a bank for one year. The interest rate is 3% per year. How much money will he get at the end of one year?

Ans: \$ _____



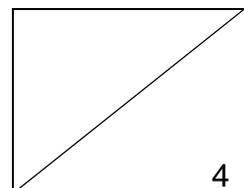
9. A rectangle with a length of 35 m has a perimeter of 114 m. Find the breadth of the rectangle.



Ans: _____ m

10. Jamie wanted to buy a doll. She only had \$18, which was $\frac{1}{4}$ of the price of the doll. How much more money did she need to buy the doll?

Ans: \$ _____



For questions **11** to **16**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question.

(20 marks)

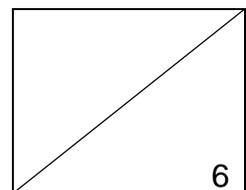
11. Angela, Bernice and Claudia baked a total of 375 cookies. Angela baked three times as many cookies as Bernice and Claudia baked 35 cookies more than Bernice.
How many cookies did Claudia bake?

Ans: _____ [3]

12. Bob had \$375 and he spent 40% of his money on an e-scooter.
(a) How much money did he spend on the e-scooter?
(b) How much money did he have left?

Ans: (a) \$ _____ [1]

Ans: (b) \$ _____ [2]



13. Helen had \$45. She spent \$15 on a bag and gave $\frac{1}{3}$ of the remainder to her brother.

(a) What fraction of her money was spent on the bag?

Give your answer in the simplest form.

(b) How much money did she give to her brother?

Ans: (a) \$ _____ [1]

Ans: (b) \$ _____ [2]

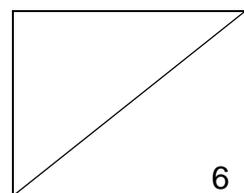
14. Sally had a 5.71 m long ribbon. She gave 2.15 m of it away.

(a) How long was the remaining ribbon?

(b) Sally then cut the remaining ribbon into 5 equal pieces. What was the length of each piece? (Give your answer correct to 1 decimal place.)

Ans: (a) _____ [1]

Ans: (b) _____ [2]



15. The table below shows the daily payment rates for a worker.

Day	Rate
Monday to Friday	\$20 per day
Saturday and Sunday	\$30 per day

- (a) Ken worked from Tuesday to Sunday. How much was he paid?
- (b) If Ken were paid \$110 for working 5 days continuously, which day could he have started to work?

Ans: (a) _____ [2]

Ans: (b) _____ [2]

16. Jenny took 15 minutes to read one page of her book. The book had 11 pages.

- (a) How long will it take Jenny to finish reading her book? Give your answer in hours and minutes.
- (b) If Jenny finished reading her book at 22 00. At what time did she start reading the book?

Ans: (a) _____ [2]

Ans: (b) _____ [2]

