

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. Which digit in the number 8 529 is in the hundreds place?

- (1) 8
- (2) 2
- (3) 5
- (4) 9

2. Which one of the following is the same as 65 801?

- (1) $6000 + 500 + 80 + 1$
- (2) $6000 + 500 + 800 + 1$
- (3) $60\ 000 + 5000 + 80 + 1$
- (4) $60\ 000 + 5000 + 800 + 1$

3. What is the missing number in the box?

$$6\frac{2}{3} = \frac{\boxed{}}{5}$$

- (1) 11
- (2) 13
- (3) 18
- (4) 20

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. Find the value of $3 \div \frac{3}{4}$

(1) 3

(2) 4

(3) 9

(4) 12

6. The numbers shown below are part of a pattern.

35 , 140 , 245 , 350 , ? , 560

What is the missing number in the pattern?

(1) 105

(2) 385

(3) 445

(4) 455

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

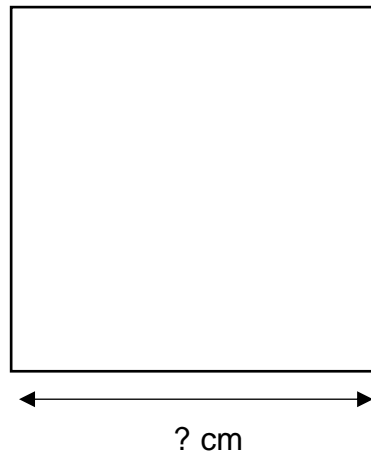
(1) 4.057

(2) 4.507

(3) 5.803

(4) 5.083

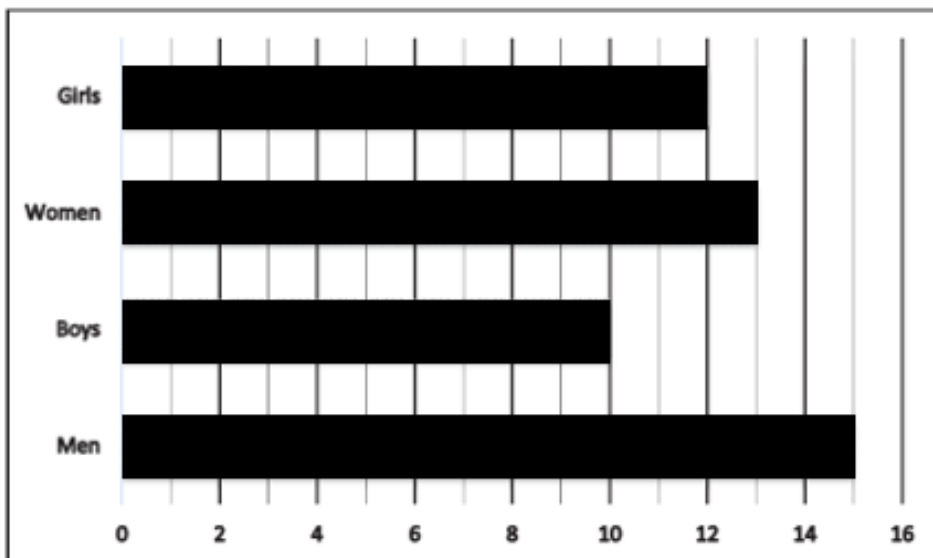
8. The area of the square shown is 49 cm^2 .



What is the length of square?

- (1) 5 cm
- (2) 7 cm
- (3) 15 cm
- (4) 22 cm

Study the bar graph and answer questions 9 and 10.
The bar graph shows the number of people at a Christmas party.



9. How many boys and men are there at the party?

- (1) 12
- (2) 13
- (3) 25
- (4) 50

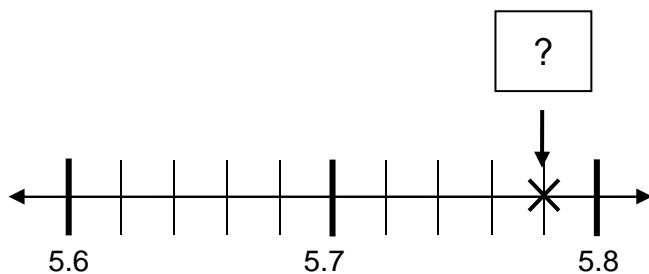
10. What fraction of the people in the party are men?

- (1) $\frac{6}{25}$
- (2) $\frac{13}{50}$
- (3) $\frac{1}{5}$
- (4) $\frac{3}{10}$

11. A rectangle has a perimeter of 40 cm. Its breadth is 8 cm. What is its length?

- (1) 8 cm
- (2) 12 cm
- (3) 24 cm
- (4) 30 cm

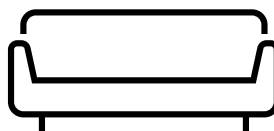
12. What is the missing decimal in the box?



- (1) 5.73
- (2) 5.76
- (3) 5.77
- (4) 5.78

13. Peter bought a sofa for \$800 at sale and was left with \$200. What percentage of his money did he spend?

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

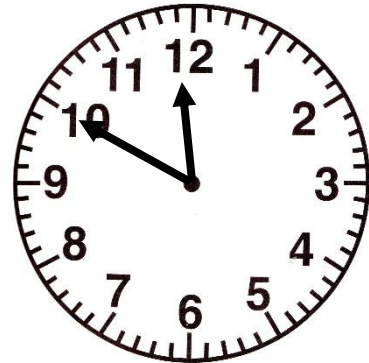


14. Express $2\frac{2}{3}$ as an improper fraction.

- (1) $\frac{8}{3}$
- (2) $\frac{9}{3}$
- (3) $\frac{10}{3}$
- (4) $\frac{11}{3}$

15. Henry took 15 minutes to ride his bicycle to the school from his house. He left home at the time shown below. At what time did he arrive at the school?

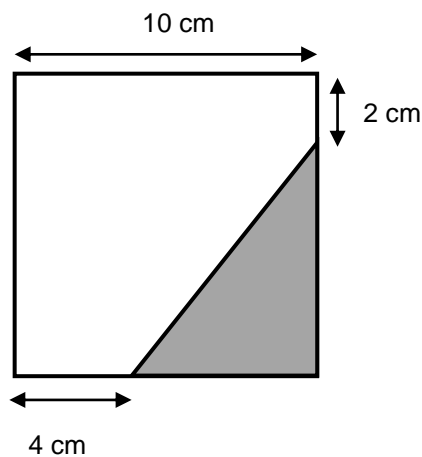
- (1) 11 55
- (2) 12 00
- (3) 12 05
- (4) 12 15



16. There are 40 colour pencils in a drawer. $\frac{2}{5}$ of the colour pencils are red. How many colour pens are red?

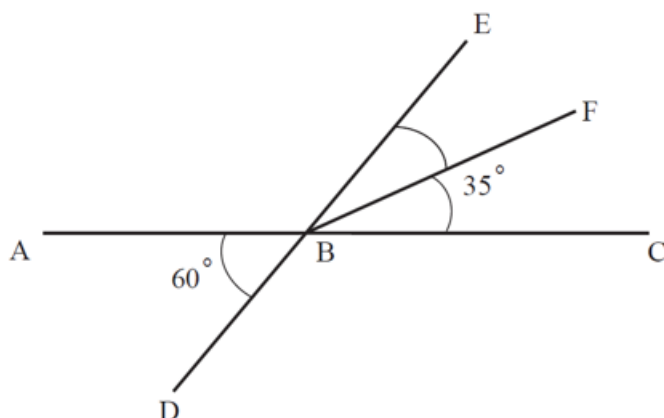
- (1) 38
- (2) 35
- (3) 20
- (4) 16

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



- (1) 6 cm²
- (2) 16 cm²
- (3) 24 cm²
- (4) 100 cm²

18. In the figure below, ABC and DBE are straight lines. Find $\angle EBF$.



- (1) 25°
(2) 35°
(3) 60°
(4) 95°
19. Sally went to a sale. The usual price of a blouse was \$120. She bought the blouse at a discount of 25%. How much did Sally pay for blouse?
- (1) \$30
(2) \$90
(3) \$105
(4) \$145
20. Aiman saved some during Hari Raya. He has \$150 worth of notes. 15 of them are \$2 notes, 4 of them are \$10 notes and the rest are \$5 notes. How many \$5 notes does he have?
- (1) 18
(2) 16
(3) 14
(4) 10

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)

21. Find the value of

(a) Find the value of $\frac{5}{8} \times 24$

(b) Express $\frac{23}{6}$ as a mixed number in the simplest form

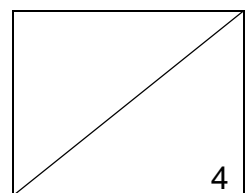
Ans: (a) _____

Ans: (b) _____

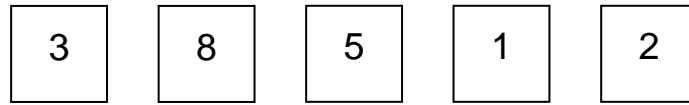
22. (a) Write nine thousand and fourteen in numerals.
(b) Find the value of $60 - (15 - 9) \times 5$.

Ans: (a) _____

Ans: (b) _____



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

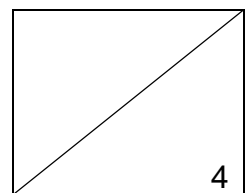


Ans: _____

24. What is the value of $\frac{2}{3} + \frac{7}{9}$?

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

Ans: _____

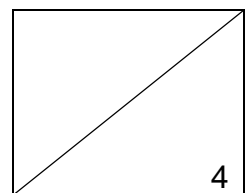


25. A bed cost \$110 more than a sofa. If I paid a total of \$350 for the bed and the sofa, how much did the sofa cost?

Ans: _____

26. Tom deposits \$900 in the bank. The annual interest given is 3%. How much will Tom have in the bank in total after a year?

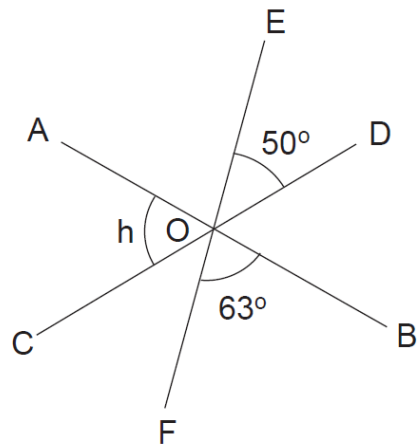
Ans: _____



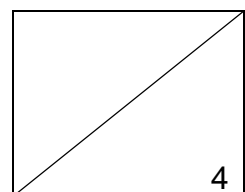
27. 25000 people are expected to attend this year's National Day celebrations at The Padang. 45% of them will be females. How many males will be there?

Ans: _____

28. In the figure shown below, AB, CD and EF are straight lines. $\angle BOF = 63^\circ$ and $\angle DOE = 50^\circ$. Find $\angle h$.



Ans: _____

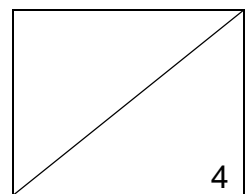


29. Jonathan spent 25 min at the shopping centre and left at 3.15 p.m. At what time did he arrive at the shopping centre?

Ans: _____

30. Matthew, Tim and Greg had 96 stamps altogether. Matthew had 2 times as many stamps as Tim. Greg had 28 more stamps than Tim. How many stamps did Tim have?

Ans: _____



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.

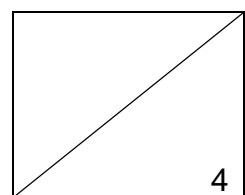
(20 marks)

-
1. Pauline used a string of length $\frac{1}{3}$ m to tie a box. She used another string that was $\frac{2}{9}$ m longer to tie a parcel. What was the total length of the 2 strings used?

Ans: _____ m

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2. Glen went to an electronics store and bought 1 computer for \$3850 and 3 similar keyboards. Each keyboard costs \$72.70 and had \$400 left. How much money did he have at first?

Ans: \$_____

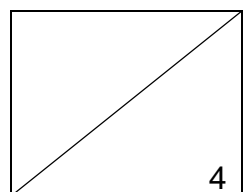


3. Bala cycled from his home to his grandparents' house which is 3.17 km away. After cycling 850 m, how much further must he cycle to reach his grandparents' house? Give your answer in metres.

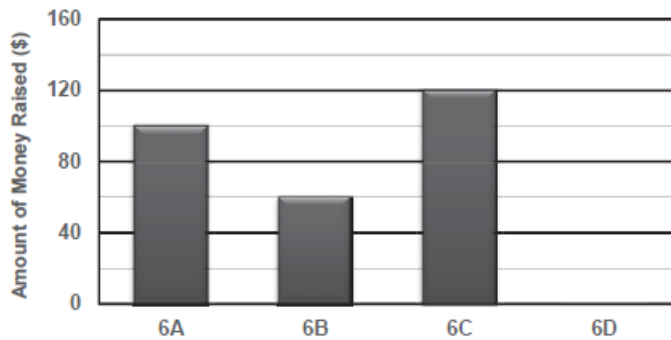
Ans: _____ m

4. A van can carry at most 15 passengers.
What is the **least** number of vans needed to carry 434 passengers?

Ans: _____



5. Look at the bar graph below. It shows the amount of money raised by four classes during their school's charity event.

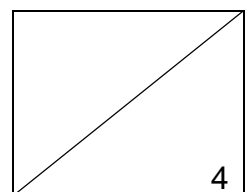


If the average amount collected by the four classes is \$90, how much money did students in 6D raise?

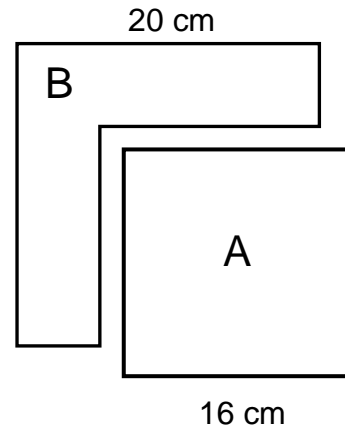
Ans: \$ _____

6. Janice has \$45 to buy some stamps. Each stamp cost 60¢. What is the maximum number of such stamps can she buy with her money?

Ans: _____



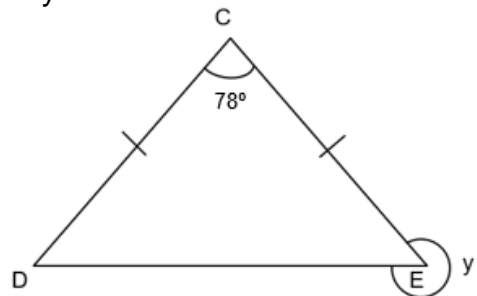
7. Wayne had a piece of square paper. He cut Square A, of side 16 cm, from it as shown in the figure below.



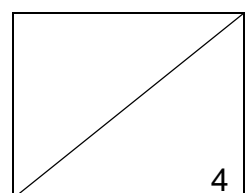
Find the perimeter of the remaining piece of Paper B.

Ans: _____ cm

8. CDE is an isosceles triangle. $\angle DCE = 78^\circ$. Find $\angle y$.



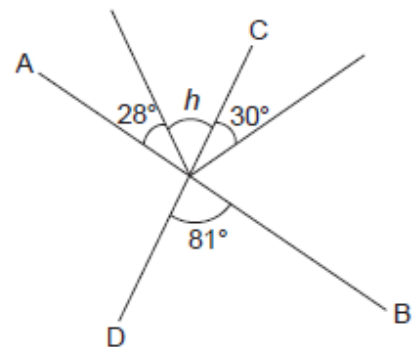
Ans: _____^o



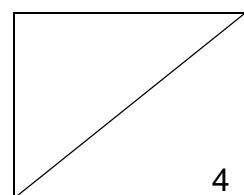
9. Dolly wanted to buy a dress. She only had \$17, which was $\frac{1}{5}$ of the price of the dress. How much more money did she need to buy the dress?

Ans: \$ _____

10. In the figure, AB and CD are straight lines. Find $\angle h$.



Ans: _____^o



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)

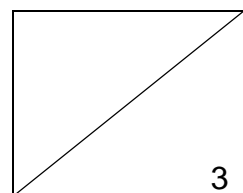
11. The table shows the rates for renting bicycles.

Duration	Rate
1 st hour	\$4.50
Every additional $\frac{1}{2}$ hour or part thereof	\$2.00

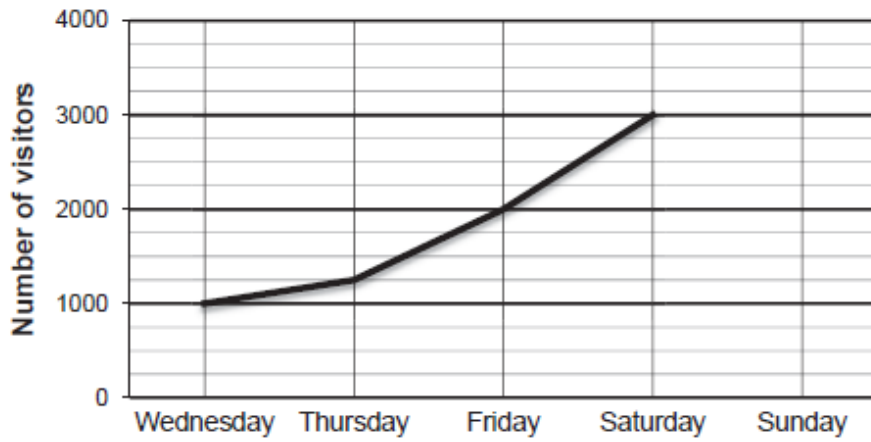
- a) James rented a pair of bicycles for $1\frac{1}{2}$ hours. How much will he have to pay?
- b) Mr Tan, his wife and 3 children each rented a pair of rollerblades from 1.30 p.m. to 3.15 p.m. How much do they have to pay in all?

Ans: (a) _____ [1]

Ans: (b) _____ [2]

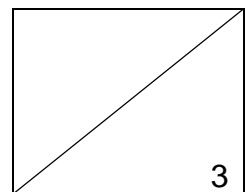


12. The graph shows the number of visitors to Kallang Park from Wednesday to Sunday.



- a) The entrance fee to Kallang Park is \$2.50 per person. How much more entrance fee was collected on Saturday than on Thursday?
- b) There was 500 less visitors to the park on Sunday than on Saturday. Complete the line graph to show the number of visitors on Sunday. [1]

Ans: (a) \$_____ [2]



13. Mrs Lim, Mrs Chan, and Mrs Ong took part in a baking competition. They baked a total of 465 cupcakes. Mrs Lim baked three times as many cupcakes as Mrs Chan and Mrs Ong baked 30 cupcakes more than Mrs Chan. How many cupcakes did Mrs Ong bake?

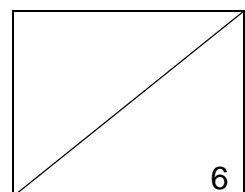
Ans: _____ [3]

12. Larry loves riding e-scooters. He saved \$680 and spent 35% of his savings to buy an e-scooter.

- (a) How much money did he spend on the e-scooter?
(b) How much money did he have left?

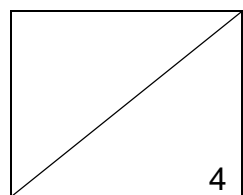
Ans: (a) \$ _____ [1]

Ans: (b) \$ _____ [2]

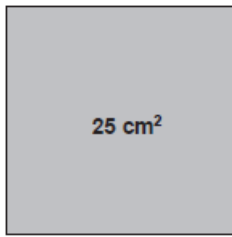


15. Robert receives \$1.60 of pocket money each day. On each day, he spends the same amount of money and saves the rest. After five days, he has saved \$2.75. How much does he spend each day?

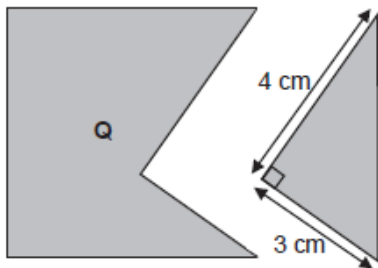
Ans: \$_____ [4]



16. Samantha had a piece of cardboard in the shape of a square at first. The area of the cardboard was 25 cm^2 .



A right-angled triangle P was cut out from one side of the square paper.



- a) Find the perimeter of the remaining piece of paper Q.

Ans: (a) _____ [2]

- b) Find the area of the remaining piece of paper Q.

Ans: (b) _____ [2]

