

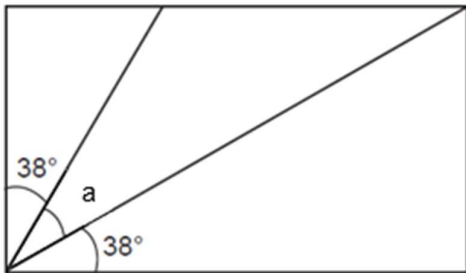
Questions **1** to **10** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions that require units, give your answers in the units stated.

(20 marks)

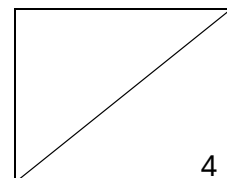
1. Rahimah bought $\frac{3}{4}$ kg of flour. She used $\frac{2}{3}$ of it to bake some cake. How much flour was left?

Ans: _____ kg

2. The figure below shows a rectangle. Find $\angle a$



Ans: _____ °



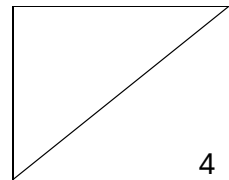
3. Mr Ng deposited \$5 000 in a bank for one year. The interest rate is 1.6% per year. How much money will he have in the bank at the end of one year?

Ans: _____

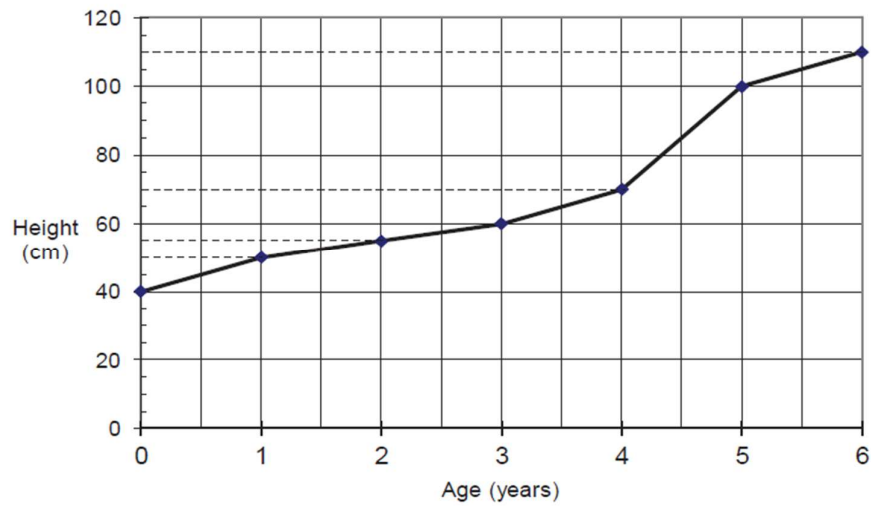
4. What is the missing number in the box?

$$\frac{5}{7} = \frac{45}{\boxed{?}}$$

Ans: _____ m



5. The line graph shows Sasha's height from the day she was born to her being 6 years old.

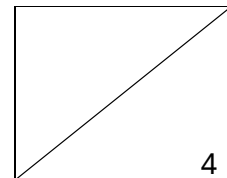


- a) What was Sasha's height when she was born?

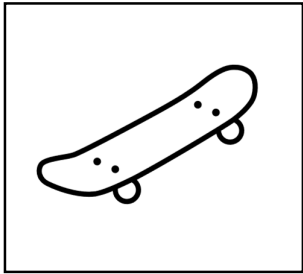
Ans: _____ cm

- b) What was the increase in Sasha's height from 3 to 6 years old?

Ans: _____ cm



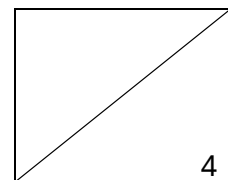
6. The price of the skateboard below is \$150. What is the price of the skateboard after adding 7% GST?



Ans: \$ _____

-
7. Heather mixes 250 mL of rose syrup with 1.6 L of water in a jug. What is the volume of the mixture in the jug? Give your answers in litres.

Ans: _____ L



8. Arrange the fractions below in increasing order.

$$3\frac{1}{4}$$

$$\frac{17}{6}$$

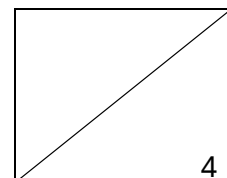
$$3\frac{1}{3}$$

Ans : _____, _____, _____

9. 3 identical squares were stacked on top of one another to form a rectangle. The perimeter of the rectangle is 24 cm. Find the area of the rectangle.



Ans: _____ cm²

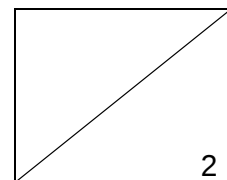


10. The table below shows the parking rates at a neighbourhood carpark.

 PARKING	Time	Rate
	From 7 a.m. to 5 p.m.	\$1.20 for every 30 minutes
	After 5 p.m.	\$1 for every hour

Gordon parked his car at the carpark from 3.30 p.m. to 7 p.m. How much did he have to pay in total?

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)

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11. Gary, Harry and Ivan took part in a fund-raising exercise for their school. They managed to collect \$445 altogether. Gary collected four times as many as Harry and Ivan collected \$25 more than Harry. How much money did Ivan collect?

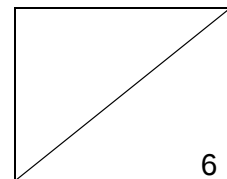
Ans: _____ [3]

-
12. Norman took part in a lucky draw and won the top prize of \$1 000. He saved \$200 and donated $\frac{3}{5}$ of the remainder to needy families.

- (a) What fraction of his money was saved?
Give your answer in the simplest form.
- (b) How much money did he give to needy families?

Ans: (a) _____ [1]

Ans: (b) \$ _____ [2]



13. Mrs Lee purchased a roll of ribbon from a nearby shop. She used 14.2 m of the ribbon to tie some gift boxes. She cut the remaining 7.8 m of the ribbon into 3 equal pieces to make flowers.

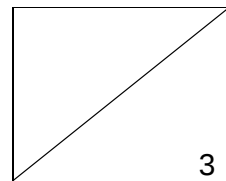
(a) Find the length of the ribbon that Mrs Lee had at first.



Ans: (a) _____ [1]

(b) Find the length of each piece of ribbon used to make the flowers. Give your answers in cm.

Ans: (b) _____ [2]



14. A pattern was created using some dots and lines. The first three figures are shown below.



Figure 1

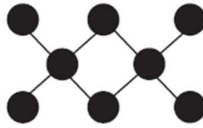


Figure 2

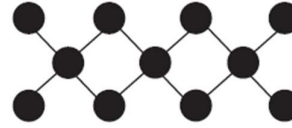


Figure 3

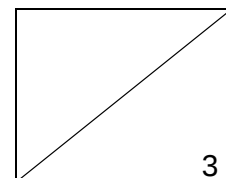
Figure	Number of lines	Number of dots
1	4	$1 \times 3 + 2 = 5$
2	8	$2 \times 3 + 2 = 8$
3	12	$3 \times 3 + 2 = 11$

- (a) How many lines were used to form Figure 4?

Ans: (a) _____ [1]

- (a) How many dots were used to form Figure 8?

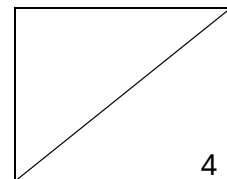
Ans: (b) \$ _____ [2]



15. Ahmad loves reading books. He recently bought a book and started reading it immediately. He took 20 minutes to read one page of his book. The book had 13 pages.
- (a) How long will it take for Ahmad to finish reading his book? Give your answer in hours and minutes.
- (b) If Ahmad finished reading his book at 23 00. At what time did he start reading the book?

Ans: (a) _____ [2]

Ans: (b) _____ [2]



16. The figure below is made up of a square (shaded) and a rectangle. The area of the whole figure is 100 cm^2 . Find the perimeter of the unshaded rectangle.



Ans: _____ cm [4]

