

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)

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1. Adam has a piece of rope 80 cm long. He uses it to form a rectangle of length 25 cm. What is the breadth of the rectangle?

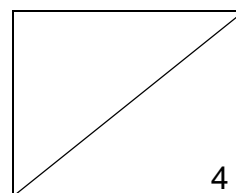
Ans: \_\_\_\_\_

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2. Peter used a string of length  $\frac{1}{5}$  m to tie up one box. He used another string that was  $\frac{2}{15}$  m longer to tie up another box. What was the total length of the 2 strings used?

Ans: \_\_\_\_\_ m

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3. What is the missing number in the box?

$$\frac{5}{7} = \frac{40}{\boxed{?}}$$

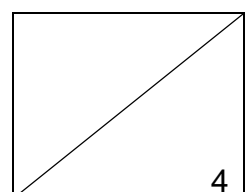
Ans: \_\_\_\_\_

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4. A truck can transport 50 boxes safely at one time.  
What is the **least** number of trucks needed to carry 375 boxes?

Ans: \_\_\_\_\_

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5. Jack received \$40 for his birthday. He wants to buy some toy figurines. Each toy figurine costs 80¢. What is the maximum number of such toy figurines can he buy with his birthday money?

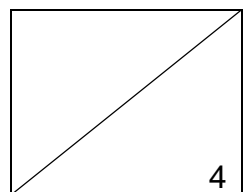
Ans: \_\_\_\_\_

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6. After eating  $\frac{3}{10}$  of a pizza and giving away a fraction of it, I was left with  $\frac{1}{5}$  of the pizza. What fraction of the pizza did I give away?  
(Give your answer in its simplest form.)

Ans: \_\_\_\_\_

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7. What was the price of the blouse after the discount?



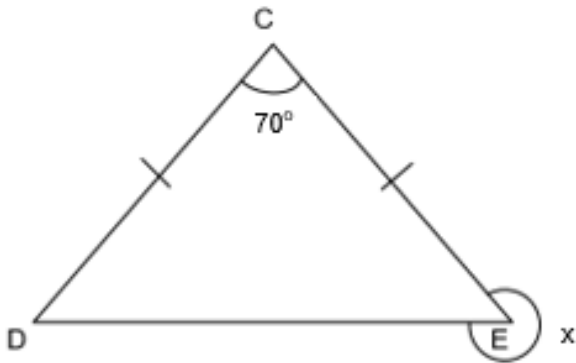
Blouse

Usual price: \$80  
Discount: 25%

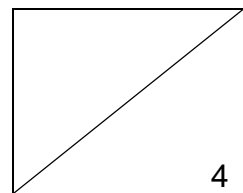
Ans: \$ \_\_\_\_\_

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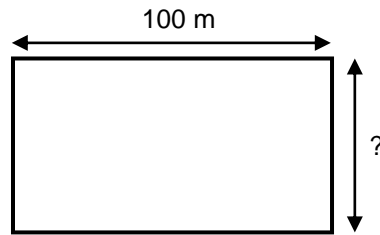
8. CDE is an isosceles triangle.  $\angle DCE = 70^\circ$ . Find  $\angle x$



Ans : \_\_\_\_\_<sup>o</sup>



9. A soccer field with a length of 100 m has a perimeter of 340 m. Find the breadth of the field?



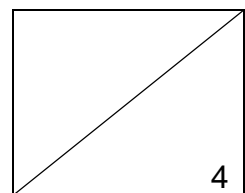
Ans: \_\_\_\_\_ m

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10. Sarah loves music and wants to buy a headphone. She only had \$20, which was  $\frac{1}{6}$  of the price of the headphone. How much more money did she need to buy the headphone?

Ans: \$ \_\_\_\_\_

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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. Ashley, Barbara, and Cindy baked a total of 525 muffins. Ashley baked four times as many muffins as Bernice and Claudia baked 45 muffins more than Barbara.  
How many cookies did Claudia bake?

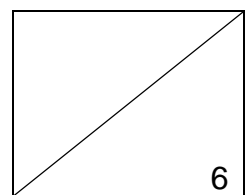
Ans: \_\_\_\_\_ [3]

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12. Sharon had \$1200. She spent \$240 on a necklace and \$120 on a pair of shoes. What percentage of her money was left after she bought the two items?

Ans: \_\_\_\_\_ [3]

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13. The cost of 6 books and 5 magazines is \$24.  
12 such books and 14 such magazines cost \$62.  
Find the cost of 4 such magazines.

Ans: \_\_\_\_\_ [3]

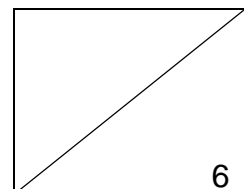
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14. Larry had a 3.25 m long string. He gave 1.86 m of it away.
- (a) How long was the remaining string?
- (b) Larry then cut the remaining string into 4 equal pieces. What was the length of each piece? (Give your answer correct to 1 decimal place)

Ans: (a) \_\_\_\_\_ [1]

Ans: (b) \_\_\_\_\_ [2]

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

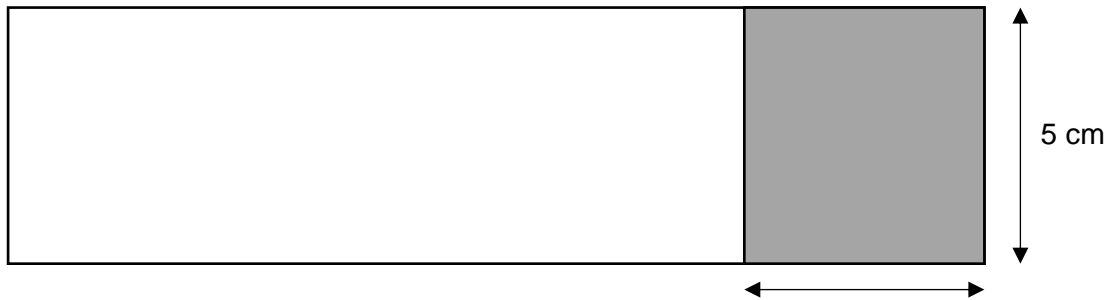
Day	Rate
Monday to Friday	\$25 per day
Saturday and Sunday	\$35 per day

- (a) Jim worked from Tuesday to Sunday. How much was he paid?
- (b) If Jim were paid \$135 for working 5 days continuously, which day could he have started to work?

Ans: (a) \_\_\_\_\_ [2]

Ans: (b) \_\_\_\_\_ [2]

16. The figure below is made up a square (shaded) and a rectangle. The area of the whole figure is  $125 \text{ cm}^2$ . Find the perimeter of the unshaded rectangle.



Ans: \_\_\_\_\_ cm [4]

