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.
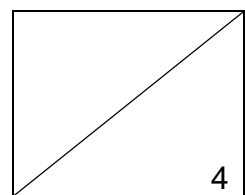
(20 marks)

1. 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: _____

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?
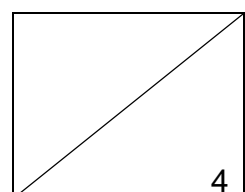
    Ans: _____ m

4

3.   What is the missing number in the box?

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

Ans: _____

---

4.   A truck can transport 50 boxes safely at one time.

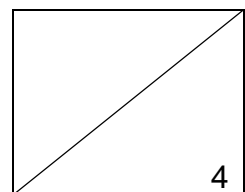What is the **least** number of trucks needed to carry 375 boxes?

Ans: _____

4

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: _____

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: _____

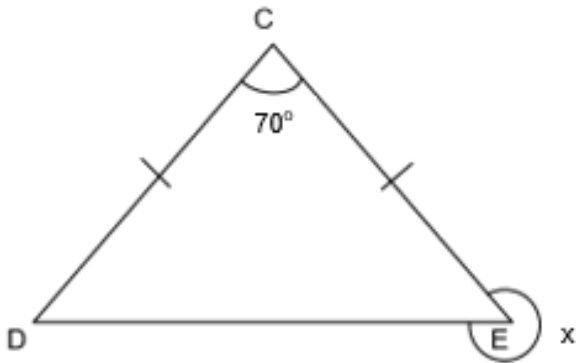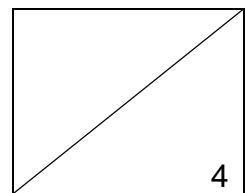7.   What was the price of the blouse after the discount?
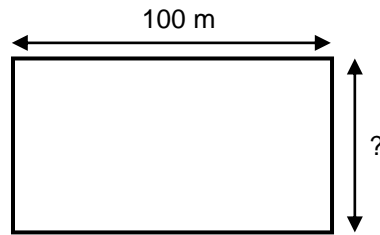

Blouse

Usual price: $80

Discount: 25%

Ans: $ _____

---

8.   CDE is an isosceles triangle. ∠DCE= 70⁰. Find ∠x
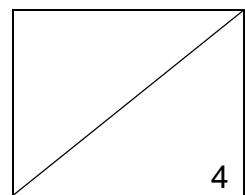

Ans : _____⁰

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

100 m

?

Ans: _____ m

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: $ _____

4

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.
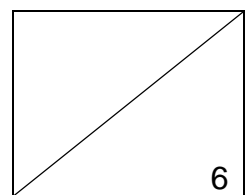
(20 marks)

11.   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]

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?
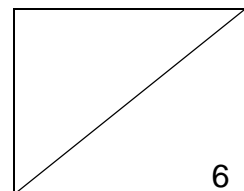
Ans: _____ [3]

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]

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]

6

7

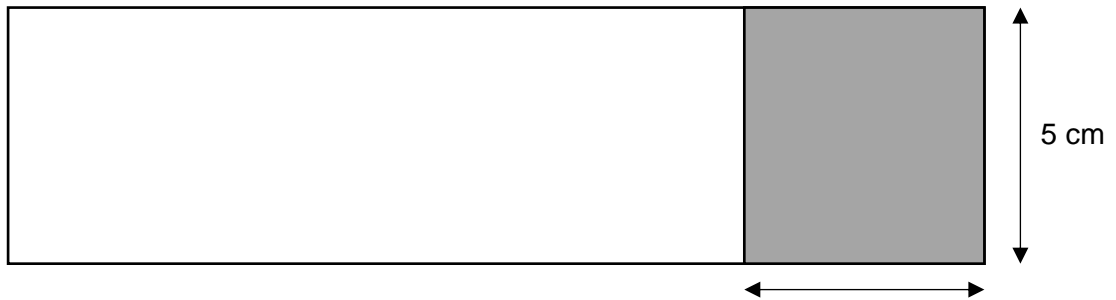15. The table below shows the daily payment rates for a part-time worker.

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 cm². Find the perimeter of the unshaded rectangle.

Ans: _____ cm [4]

8