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. Alexa reads 17 pages of a book every day. After reading the book for 12 days, she still has 112 pages left. How many pages are there in the book?

Ans : _____

2. I am a common multiple of 3 and 9. When I am rounded to the nearest 10, I will become 20. What number am I?

Ans : _____

3. The solid below is made up of 1-cm cubes. Find the volume of the solid.

Ans: _____ cm^3

6
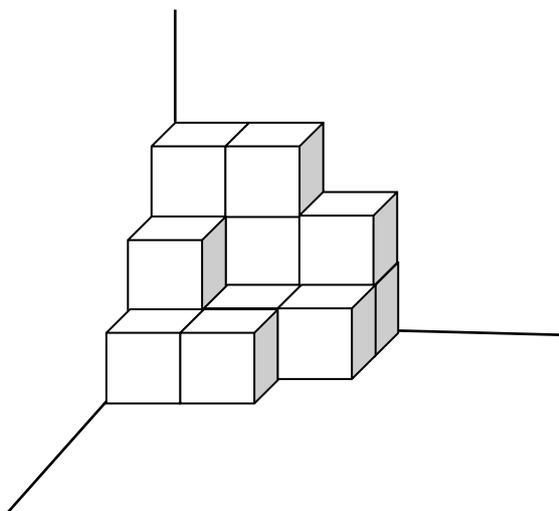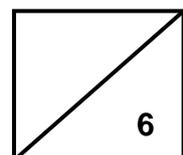
4. Kevin spent $\frac{2}{3}$ of his money on 4 similar belts. He had $30 left after that.

What was the cost of 1 belt?

Ans : $ _____

5. The price of a television set before discount is $920. Mdm Devi bought it at a 25% discount.
How much did she pay for the television set?

Ans : $ _____

6. The figure below shows Elsa's present mass.
She weighed 48 kg six months ago. How much mass has she lost?

Ans : _____ kg

6
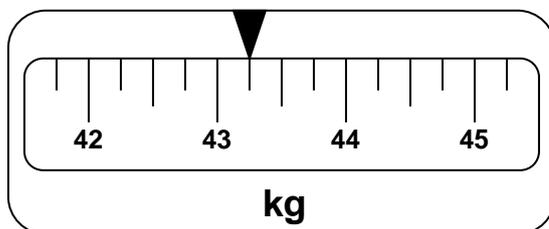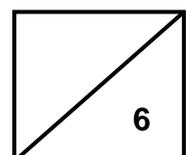
Study the bar graph below carefully and answer questions 7 and 8.
The bar graph shows the number of students in five Primary 6 classes who wear glasses.
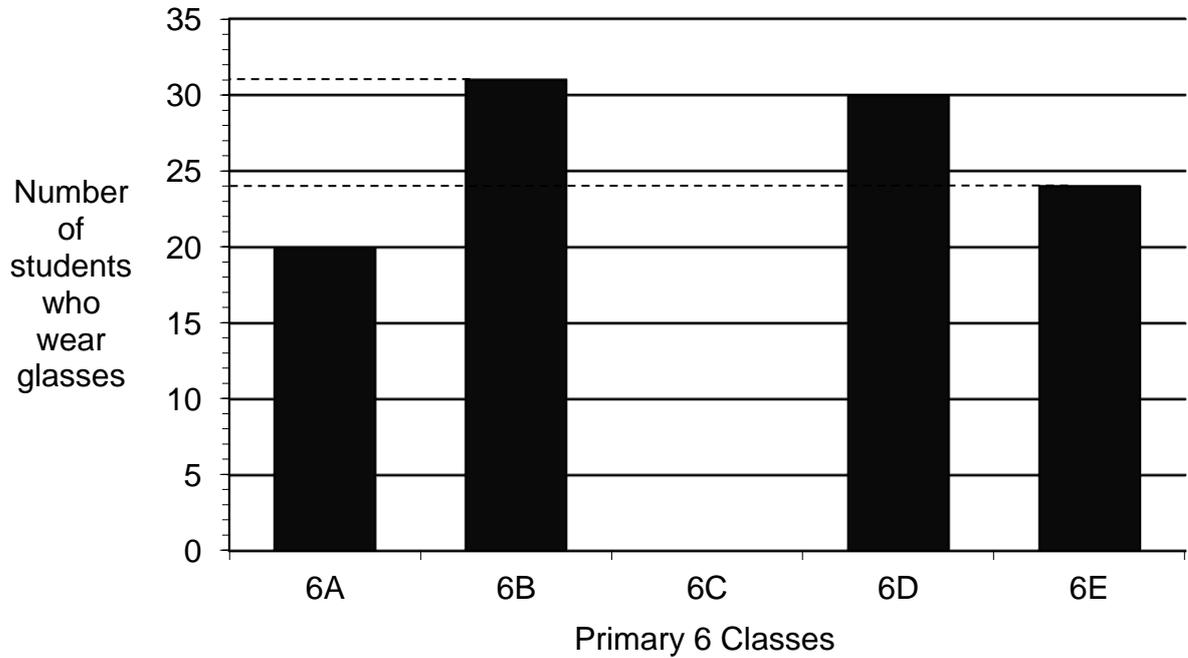
7. The number of students who wear glasses in 6C is $\frac{2}{3}$ the number of students who wear glasses in 6D. How many students in 6C wear glasses?

Ans : _____

8. What is the average number of students who wear glasses in the five Primary 6 classes?

Ans : _____

4
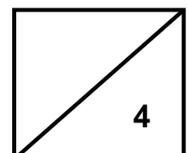
9. The opening hours of a clinic on a weekday are shown below.
How long is the clinic open on a weekday?
Give your answer in hours and minutes.

Weekday Opening Hours

9.00 a.m. – 12.30 p.m.
2.00 p.m. – 5.30 p.m.
7.00 p.m. – 8.30 p.m.

Ans : _____ h _____ min

10. In the figure, YZV is a straight line. XYZ is a right-angled triangle, ∠YXZ = 43°
and ∠UZV = 58°. Find ∠s.

Ans : _____ °

4
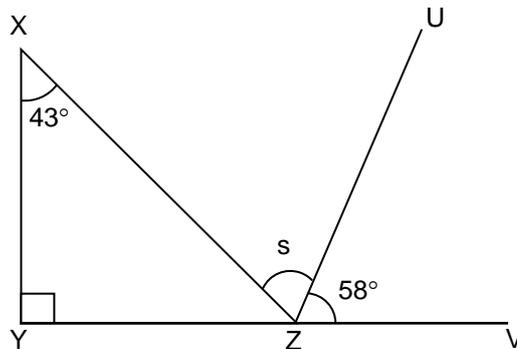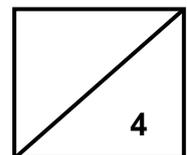
For questions **11** to **16**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question. (20 marks)

11.   A box with 12 similar cans of tomato soup weighs 14.25 kg. When 5 cans are

removed from the box, the mass of the remaining cans in the box becomes 9.75

kgWhat is the mass of one such can of tomato soup?

Ans   :   [3]

12.   The figure below is made up of 2 identical squares and an equilateral
triangle. The perimeter of the triangle is 18 cm.
Find the perimeter of the figure.

Ans   :   [3]

6
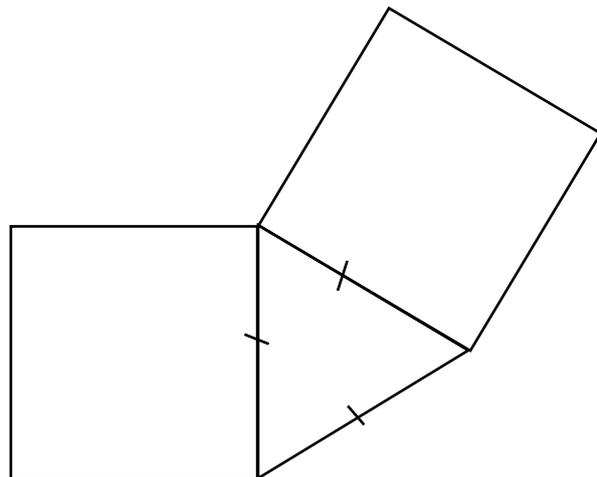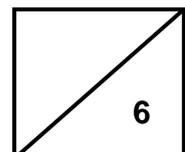
13.   The table below shows the number of pupils in each band for a Mathematics test.

Band	Number of Pupils
1	10
2	12
3	13
4	5

What percentage of the pupils is in Band 2 and 3?

Ans : _____ [3]
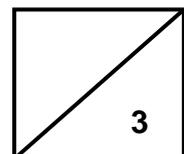
14. There are two tanks as shown below. Tank A is empty and Tank B is filled with water to the brim. Tank A is 35 cm by 20 cm by 18 cm. Tank B is 25 cm by 18 cm by 7 cm. All the water in Tank B is poured into Tank A. What will the height of the water in Tank A be?

18 cm

20 cm

35 cm

Tank A

7 cm

18 cm

25 cm
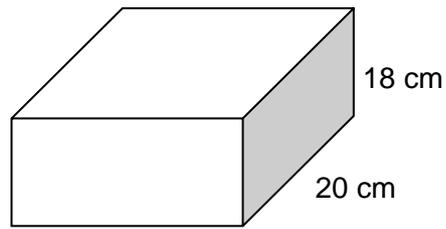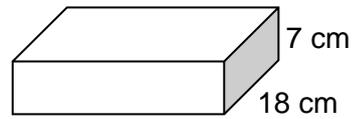
Tank B

Ans : _____ [3]

3
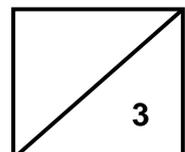
15. There were 40 students in a class. Each of them contributed $8 towards a class party. The teacher also contributed $30. $\frac{3}{5}$ of the money collected was spent on food and $\frac{2}{7}$ of the remainder was spent on drinks. There was $15 left after spending some money on prizes.

(a) What was the total amount of money collected?

(b) How much money was spent on prizes?

Ans : (a) _____ [1]

(b) _____ [3]

16. The figure shows patterns of white and black dots.

Pattern 1   Pattern 2   Pattern 3
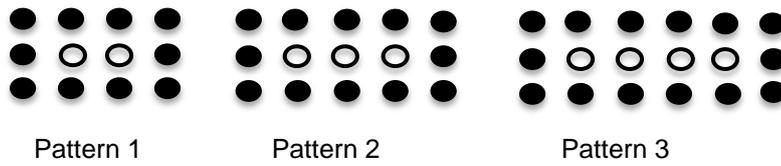
Pattern	Number of white dots	Number of black dots
1	2	10
2	3	12
3	4	14
4	5	16
5	6	18

(a) Find the number of black dots in Pattern 9

(b) There are 78 black dots in a pattern.
How many white dots are there in this pattern?

Ans : (a) _____ [2]

(b) _____ [2]

Comments in general

1. Pls check for alignments and spacing between sentences.