

17<sup>th</sup> March 2021

VED PUBLICATIONS  
GRADE 6 – MATHS ASSESSMENT 1

NAME: .....

1. Write in words: 2917

Answer: .....

2. Write in figures: Six thousand two hundred and sixty two

Answer: .....

3. Work out: 4589

+ 264

\_\_\_\_\_

4. What is the name to the special shape?



Answer: .....

5. Reduce  $\frac{6}{8}$  to its lowest term.

Answer: .....

6. Write down the next term in the sequence.

0.2, 0.4, 0.6, .....

7. Work out:

$$\begin{array}{r} 254 \\ \times 6 \\ \hline \end{array}$$

1. Write in words: 254

Answer: \_\_\_\_\_

8. A pen costs Rs 11.60. What is the cost of 3 pens?

Answer: \_\_\_\_\_

2. Work out: 11.60 × 3

Answer: .....

9.  $\frac{5}{8} + \frac{7}{8}$

3. What is the name of the fraction above?

Answer: \_\_\_\_\_

Answer: .....

10. How many sides does an octagon have?

Answer: \_\_\_\_\_

Answer: .....

11. Work out:

$$\begin{array}{r} 3258 \\ - 982 \\ \hline \end{array}$$

4. 0.5, 0.4, 0.3

12. Write down all the factors of 4.

Answer:.....

13. Calculate : 25% of 200

Answer: .....

14. The value of 6 in 8560 is

Answer:.....

15. What is the Least Common Multiple (L.C.M) of 6 and 12?

Answer:.....

For each question from 16 to 25 circle the letter which shows the correct answer.

16. The value of 4 in 54.15 is

- A. 4 units
- B. 4 tenths
- C. 4 hundreds
- D. 4 hundredths

17.  $(7 \times 1) + (3 \times 1000) + (3 \times 10) + (8 \times 100) =$

- A. 7338
- B. 5324
- C. 3837
- D. 3387

18. Which one of the following is an even number?

- A. 138
- B. 131
- C. 135
- D. 137

19.  $3.65 + 1.37 =$

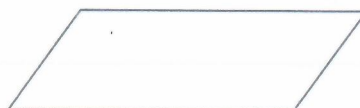
- A. 50.2
- B. 5.02
- C. 5.92
- D. 59.2

20.  $\frac{2}{3}$  of Rs. 450 is equal to

- A. Rs 300
- B. Rs. 150
- C. Rs 900
- D. Rs 625

21. How many lines of symmetry does a parallelogram have?

- A. 0
- B. 1
- C. 2
- D. 3



22. There are ..... right angles in  $2\frac{1}{2}$  turns.

A. 10

B. 8

C. 5

D. 6

23. Change the fraction  $\frac{16}{64}$  into a ratio in its simplest form

A. 8 : 24

B. 2 : 8

C. 1 : 4

D. 4 : 16

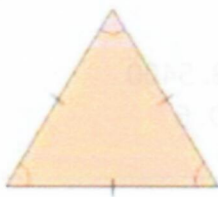
24. ABC is .....

A. an equilateral triangle

B. an isosceles triangle

C. a right angle triangle

D. a rhombus



25. There are 84 grade 6 pupils in a school. How many groups of 4 can be obtained from 84 pupils?

A. 88

B. 21

C. 80

D. 8

26.  $4 \times 2^3 =$

A. 12

B. 8

C. 6

D. 32

27. After washing his car, Samuel notices that the water tank is half-full. If the half-full tank contains 5 L 35 cL of water, what is the capacity of the tank when it is completely full?

A. 12 L 70 cL

B. 12 L 60 cL

C. 10 L 60 cL

D. 10 L 70 cL



28. A baby sleeps  $7\frac{1}{2}$  h per day. How many hours he sleeps in a week?

- A. 24 h  
C. 0.5 h

- B. 52.5 h  
D. 37.5 h

29. A bottle contains 300 mL of juice. How many such bottles will be needed to fill a bucket whose capacity is 18 L ?

- A. 60  
C. 600

- B. 5400  
D. 6

30. Which one of these years was a common year?

- A. 2008  
C. 2000

- B. 1996  
D. 1998

31. 90 % of the spectators at a football match were adults. How many adults attended the match if there were 15250 spectators?

Answer: .....

32. Ruben earns Rs 1750 for five days' work. How much money will he earn if he works for 38 days?

Answer: .....

33 (a) Write down the next term in each of the following sequences:

(i) 3, 15, 75, 375, .....

(ii) 0.005, 0.05, 0.5, 5, .....

(iii)  $\frac{1}{6}, \frac{5}{12}, \frac{2}{3}, \frac{11}{12}$  .....

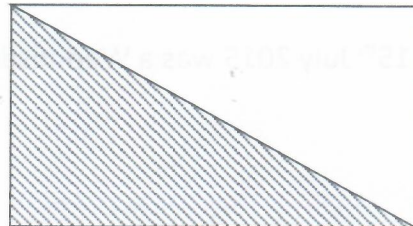
(iv) Convert 9km 200m into km

Answer: .....

(b) A bottle contains 80cL of oil. Mother uses 500mL of it. What fraction of oil is left?

Answer: .....

34. The area of the shaded part is  $45 \text{ cm}^2$ . What is the area of the diagram?



Answer: .....

35. A woodcutter needs to cut a log into 8 equal pieces. He takes 30 seconds to make one. How much time does he take to cut the whole log?



Answer : .....

36(a) A car left Curepipe for Savanne at quarter past nine in the morning. He stopped for 6 minutes on his way and reached his destination at five to ten. How long had the car been travelling.

Answer: .....

(b) 15<sup>th</sup> July 2015 was a Wednesday. On which day was 25<sup>th</sup> July 2015 ?

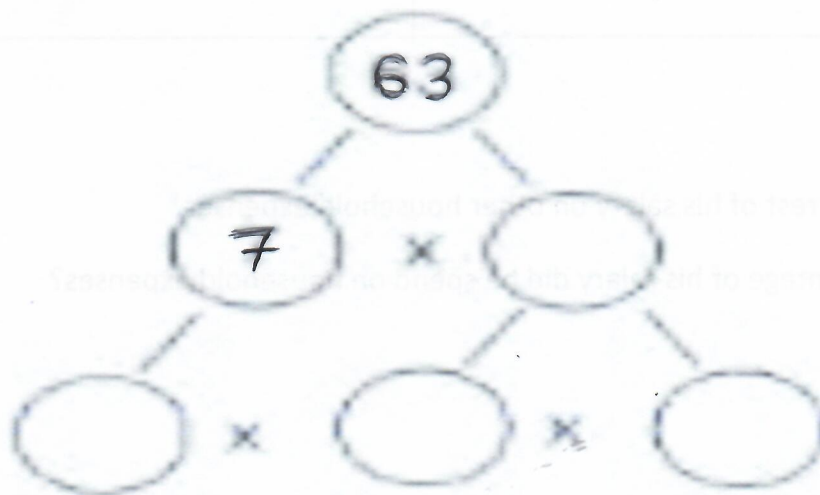
Answer : .....



37. Shezbaaz bought 3 packs of marbles 90 marbles.  $\frac{2}{3}$  of the marbles were red. How many marbles were not red.

Answer: .....

38. Complete the factor tree.



39. The table below shows how Sunny spent part of his salary for the month of September.

Items	Percentage of salary (%)
Food	34
Travelling	22
Clothing	8
Others	20

He spends the rest of his salary on other household expenses.

(i) What percentage of his salary did he spend on household expenses?

Answer: .....

(ii) If he spent Rs 2295 on food, how much did he spend on clothing?

Answer: .....

(iii) Calculate his salary.

Answer: .....

40. The table below shows the weights of 6 children.

Name of Children	Weight
Rihana	37 kg
Ahana	46 kg
Montana	38 kg
Sanna	34 kg
Janna	42 kg
Jenna	31 kg

(a) Find

(i) the total weight of the 6 children.

Answer: .....

(ii) their average weight.

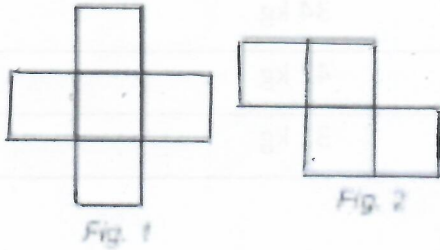
Answer: .....

(b) Who weigh more than the average weight?

Answer: .....

41 (a) Fig. 1 and Fig 2 are made up of identical squares.

The perimeter of Fig 1 is 60 cm. Find the perimeter of Fig 2.

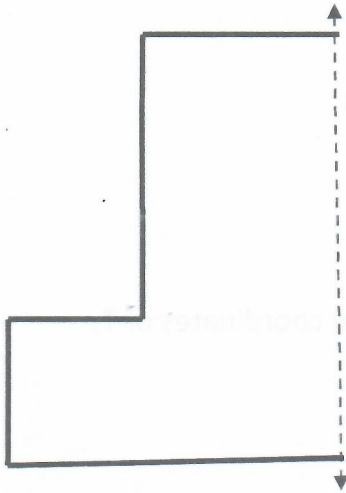


Answer: .....

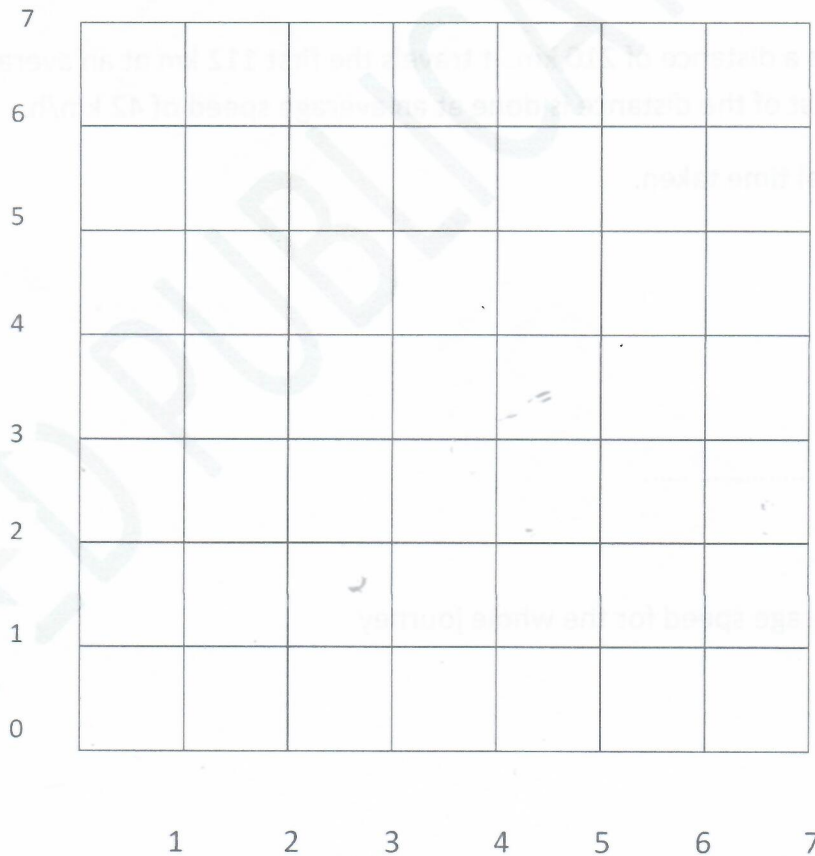
(b) the ratio of the surface areas of two cubical vessels A and B is 1 : 4. If one edge of the smaller vessel is 4 cm, calculate the volume of the bigger vessel.

Answer: .....

42 (a) Complete the figure to make the dotted line a line of symmetry.



(b) PQRS is a rectangle with P (2, 1), Q (0, 4) and R (4,7).



(i) Plot the points P, Q and R.



(ii) Mark the point S and write down its coordinates.

(iii) Draw PQ, QR, RS and SP.

(iv) Draw the line of symmetry of the figure.

(v) The line of symmetry meets at T. Write down the coordinates of T.

Answer: .....

(vi) Find the area of the figure PQRS.

Answer: .....

43. A car travels a distance of 210 km. it travels the first 112 km at an average speed of 32 km/h. the rest of the distance is done at an average speed of 42 km/h.

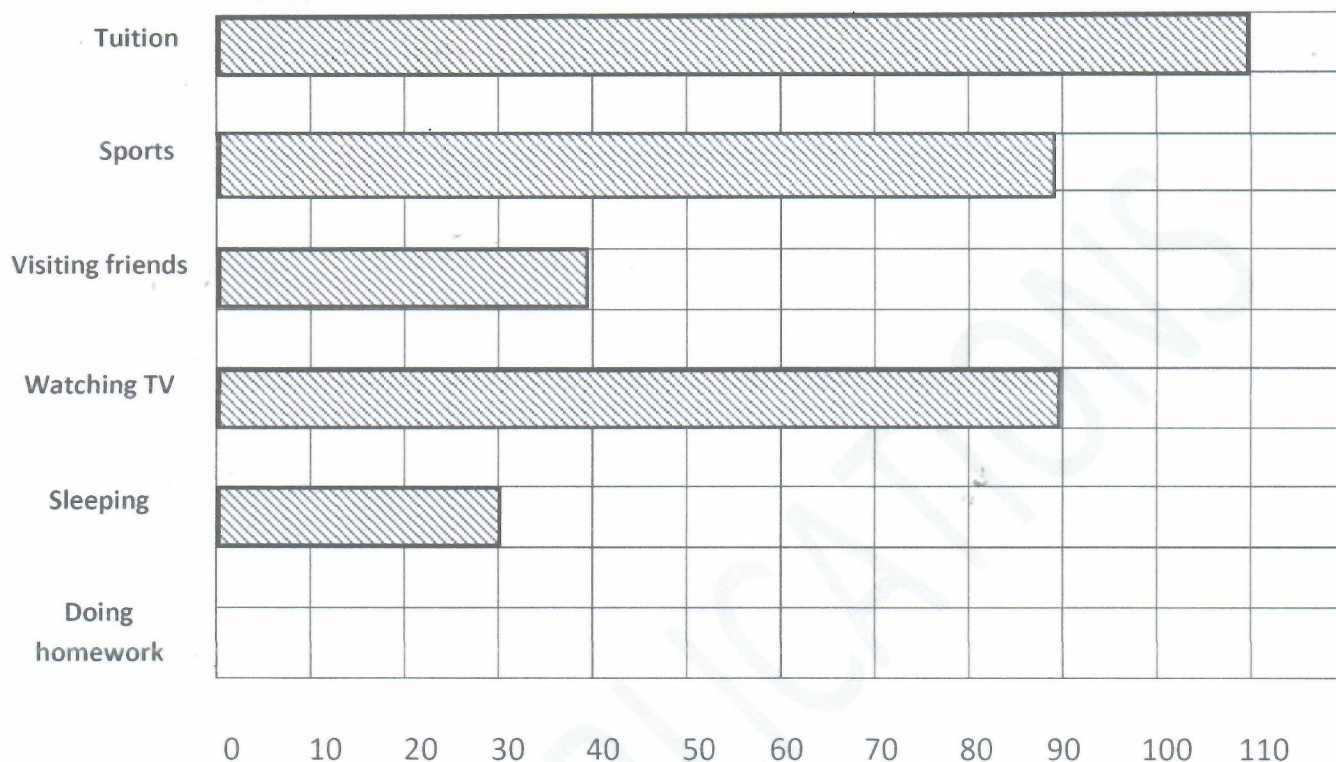
(a) Find the total time taken.

Answer: .....

(b) Find the average speed for the whole journey

Answer: .....

44. A survey to find out students after-school activities was conducted. The bar chart below shows the result.



a) Which activity is done very few by pupils ?

Answer: .....

b) How many pupils takes tuition ?

Answer: .....

c. (i) Which two activities are done by same number of pupils?

Answer: ..... and .....

(ii) Find the total number of pupils doing these two activities.

Answer: .....

d) What is the average number of pupils taking tuition and watching tv ?

Answer: .....

e) Find the total number of pupils in the school.

Answer: .....

f) Represent on the bar chart 90 pupils doing homework.