

1. **MULTIPLE QUESTIONS**

1.1 245 499 rounded off to the nearest 1 000 is ...?

- A 245 000
- B 245 490
- C 245 599
- D 245 500

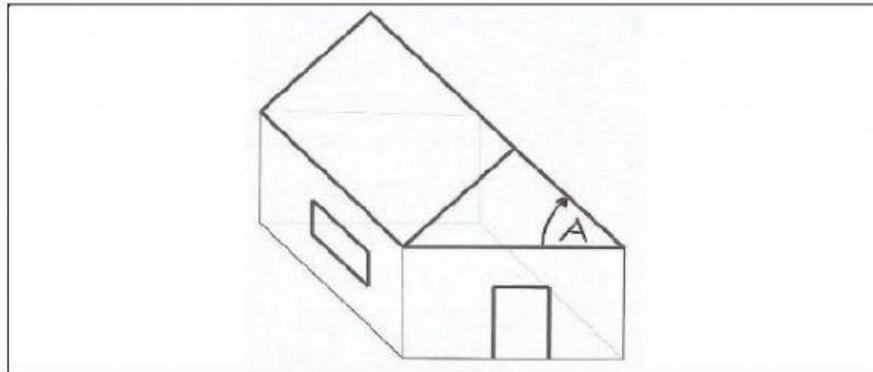
(1)

1.2 Calculate:  $74,56 \times 100 = \dots$

- A 7 456
- B 7 456
- C 74,56
- D 745,6

(1)

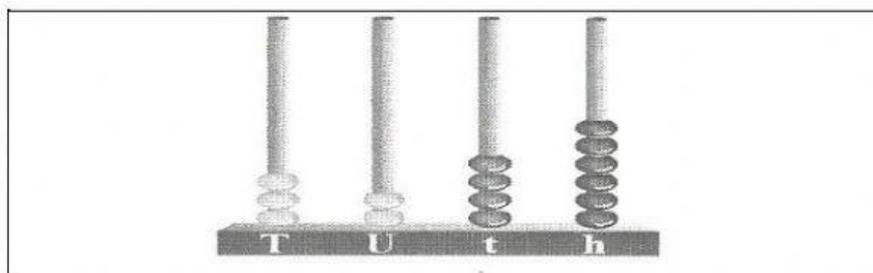
1.3 Name angle A in the given shape below?



- A Straight angle
- B Obtuse angle
- C Acute angle
- D Right angle

(1)

1.4 The abacus below illustrates ...



- A 32.64.
- B 23.45.
- C 32.46.
- D 23.46.

(1)

1.5 Calculate:  $\frac{3}{5}$  of 150

- A 100
- B 90
- C 120
- D 60

(1)

1.6 Calculate: 100 minutes are equal to ...

- A 1h10min.
- B 1h40min.
- C 1h00min.
- D 1h30min.

(1)

1.7 If  $384 \div 16 = 2 \times t$ , then  $t = \dots$

- A 32
- B 48
- C 16
- D 12

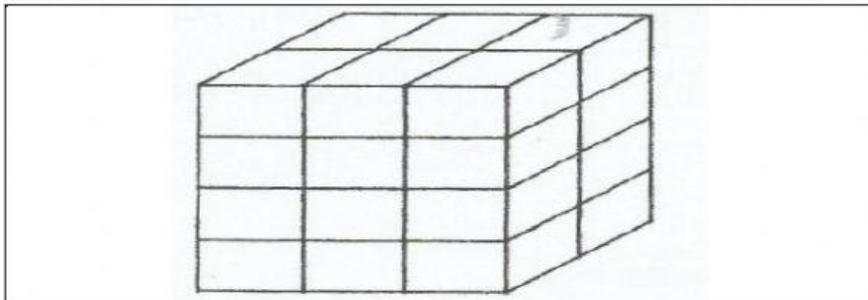
(1)

1.8 The next number in the **sequence** 3; 9; 27; ... will be ...

- A 125.
- B 36.
- C 81.
- D 30.

(1)

1.9 **Four layers** of  $1 \text{ cm}^3$  blocks have been used to make the **rectangular prism** below.

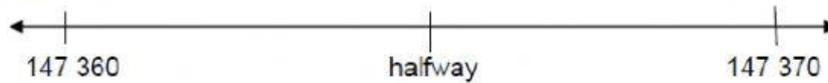


How many  $1 \text{ cm}^3$  blocks are there in the whole rectangular prism?

- A 26
- B 12
- C 24
- D 30

(1)

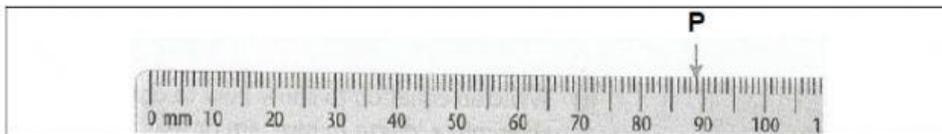
1.10 Which number on a number line is **halfway** between 147 360 and 147 370?



- A 147 375
- B 147 385
- C 147 365
- D 147 355

(1)

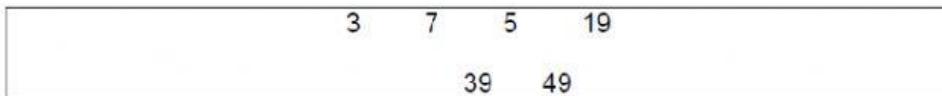
2. Fill in the scale reading which is indicated with **arrow P**.



P = \_\_\_\_\_

(1)

3. Look at the diagram below and answer the following question:



Write down the number that is a **factor** of 9: \_\_\_\_\_

(1)

4. Farm workers picked 324 587 pears during the morning. After lunch they picked more pears. By the end of the day, they had 866 463 pears.

How many pears did they pick after lunch?

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(2)

5. John, Xhanti and Piet participate in an athletics event at school. John ran 10,72 seconds, Xhanti ran 10,7 seconds and Piet ran 10,07 seconds.

Who came first?

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(1)

6. Lindiwe spent R 275,95 on ingredients to bake a cake. Yolanda spent R25,50 more than Lindiwe on the ingredients.

How much money did Yolanda spend?

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(2)

7. Out of the 40 learners in a Grade 6 class, 5% were absent on Monday.

7.1 What percentage of the learners was present?

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(1)

7.2 How many learners were present on Monday?

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(2)

8. Anna's baby was born with a mass of 3 500 g. On his first birthday his mass was 9,75 kg.

How much weight did he gain in his first year?

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(2)

9. It took Zola 2 min 24sec to do 8 calculations.

How long it take on average to do 1 sum (calculation)?

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(2)

10. Lwando is 8 years younger than Luleka. Their combined age is 34 years.

What are their ages?

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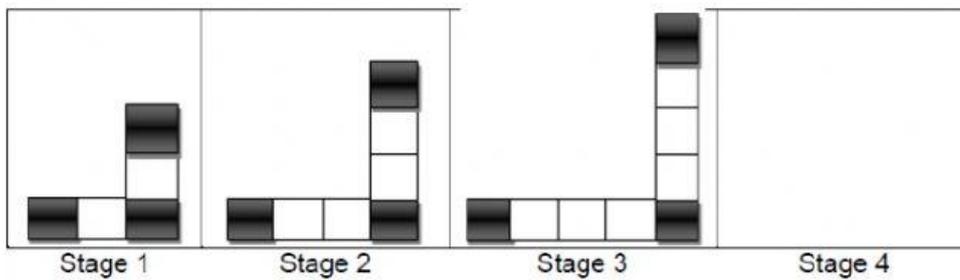
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(4)

11. Look at the following pattern.



11.1 Draw stage 4 in the space provided.

(1)

11.2 Describe a rule for this pattern. Use your own words.

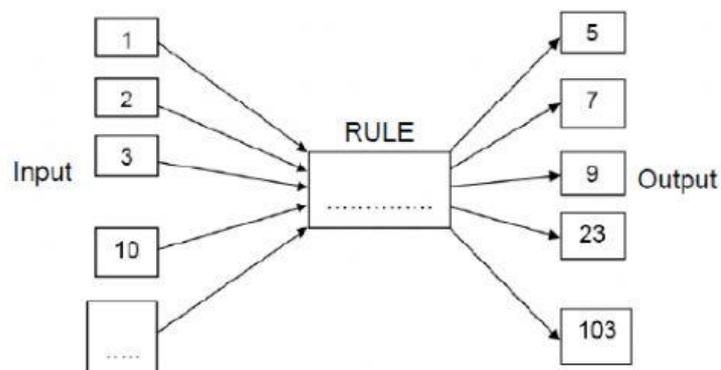
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(1)

11.3 Determine the rule in the following flow diagram.



(2)

11.4 Complete the number sentence:

$$2 \times s + 3 = 33 \quad s = \underline{\hspace{2cm}}$$

(1)

12 Calculate:

$$12.1 \quad 19\,634\,567 + 1\,456\,369 + 54\,603 = \dots$$

(2)

$$12.2 \quad 6 - 3.24 = \dots$$

(2)

$$12.3 \quad 5\,436 \times 276 = \dots$$

(3)

$$12.4 \quad 45\,675 \div 145 = \dots$$

(2)

13. Two friends, John and Thabo, earned R400. Thabo worked for longer, so they agreed to share the money in the ratio 3:5. How much money will each of them get?

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(3)

14. Every school, day Siphokazi spends  $\frac{1}{3}$  of the day at school and  $\frac{1}{4}$  of the day sleeping. She spends  $\frac{1}{6}$  of the rest of the day doing homework. The remaining time is divided equally among watching DSTV, practising athletics and eating.

Calculate:

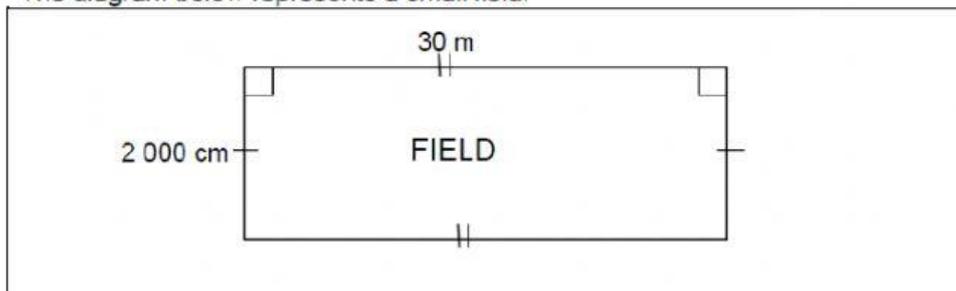
14.1 The total number spent at school and sleeping.

(3)

14.2 The number of hours spent on doing homework.

(1)

15. The diagram below represents a small field.



15.1 Find the **perimeter** of the above field and write the answer in metres.

(1)

15.2 Calculate the cost of wire to fence the field at R20 per metre.

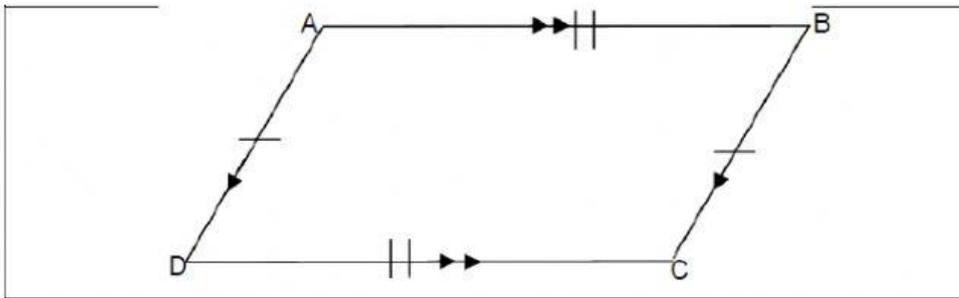
(1)

16. Complete the table.

Common fraction	Decimal fraction	Percentage
$\frac{1}{2}$	0,5	50%
_____	0,17	_____
$\frac{1}{8}$	_____	12,5%

(3)

17 Study the shape below and answer the following questions.

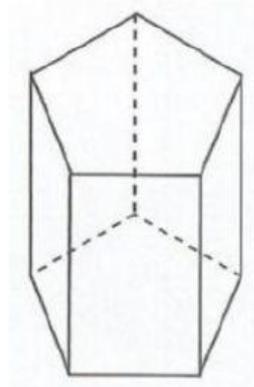


17.1 Name the above 2D shape. \_\_\_\_\_ (1)

17.2 How many lines of symmetry does the shape have? \_\_\_\_\_ (1)

17.3 If side  $\overline{AB}$  above is 6 cm long, how long will side  $\overline{CD}$  be? \_\_\_\_\_ (1)

18. Complete the following:



Name of shape

Number of faces

Number of vertices

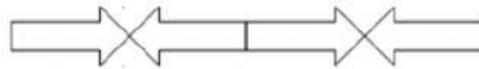
\_\_\_\_\_

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\_\_\_\_\_

(2)

20. Describe the **transformation** used to create the border pattern shown below.



\_\_\_\_\_ (1)

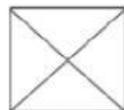
21. Name the point of position.

	A	B	C	D	E	F
1						
2						
3						
4						
5						
6						

In which block will you find a triangle? \_\_\_\_\_ (1)

22. Two diagonals bisect a square into triangles.

What is the total number of triangles of different sizes?



\_\_\_\_\_ (2)