



Let the mind manage the body
Que l'esprit gère le corps

MATHEMATICS

(Subject code No. P120)

Index Number:

MAURITIUS EXAMINATIONS SYNDICATE

Primary School Achievement Certificate Assessment

2023

Time: 1 hour 45 minutes

Total Marks: 100

INSTRUCTIONS TO CANDIDATES

1. Check that this assessment booklet contains **46** questions printed on **17** pages numbered 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18.
2. Write your Index Number on the assessment booklet in the space provided above.
3. You should **not** use red, green or black ink in answering questions.
4. Show **all** your workings clearly in the space provided for each question.
5. Diagrams are **not** drawn to scale unless stated otherwise.
6. Attempt **all** questions.

Question	Marking		Revision		Control	
	Marks	Sig	Marks	Sig	Marks	Sig
1 - 8						
9 - 13						
14 - 18						
19 - 28						
29 - 31						
32 - 33						
34 - 35						
36 - 37						
38 - 39						
40 - 42						
43 - 44						
45 - 46						
Total						
Sig (HOG)						

1. Work out:

$$\begin{array}{r} 625 \\ + 374 \\ \hline \end{array}$$

Answer:

[1]

2. Work out:

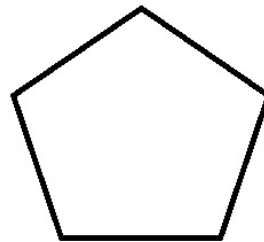
$$\begin{array}{r} 968 \\ - 452 \\ \hline \end{array}$$

Answer:

[1]

3. The 2-D shape shown has 5 sides.

Name the shape.



Answer:

[1]

4. Work out:

$$\begin{array}{r} 521 \\ \times 4 \\ \hline \end{array}$$

Answer:

[1]

5. Complete the table below.
An example is given.

In words	In figures
Example: Six hundred and twenty two	622
(a) Seven hundred and forty five
(b)	3459

[2]

6. Reduce $\frac{6}{9}$ to its lowest term.

Answer:

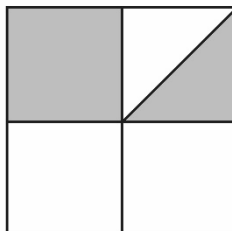
[1]

7. Convert 8 L into cL.

Answer: cL

[1]

8. What fraction of the diagram below is **shaded**?



Answer:

[1]

M
R
HG
QC
CE

9. Work out:

$$3 \overline{) 3963}$$

Answer: _____

[1]

10. Work out:

$$\frac{2}{11} + \frac{5}{11}$$

Answer:

[1]

11. Find the value of 4^2 .

Answer:

[1]

12. Which of the following angles is a **right angle**?

Circle the correct answer.

0° , 90° , 180° , 270° , 360°

[1]

13. What is the Highest Common Factor (**H.C.F.**) of 12 and 15?

Answer:

[1]

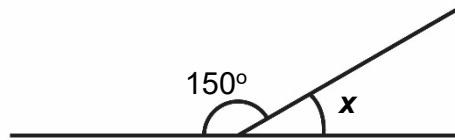
M
R
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QC
CE

14. Arrange the following numbers in **descending order**, starting from the largest number.

4205 , 4502 , 4250 , 4520

Answer: , , , [1]
Largest **Smallest**

15. Calculate the size of angle x .



Angle x = [2]

16. Express $\frac{20}{9}$ as a mixed number.

Answer: [1]

17. Which decimal fraction is shown by the arrow on the number line below?




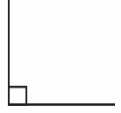
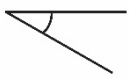
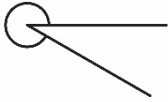
Answer: [1]

18. Write down the place value of **2** in 42563.

Answer: [1]

M
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QC
CE

For each of the questions from numbers 19 to 28 below, circle the correct answer. Each item carries one mark.

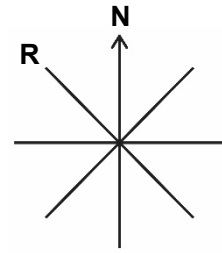
<p>19. What is the value of $51700 \div 10$?</p> <p>A 51</p> <p>B 5170</p> <p>C 51700</p> <p>D 517 000</p>	<p>20. $(6 \times 100) + (2 \times 10) + (3 \times 1000) + (5 \times 1) =$</p> <p>A 3625</p> <p>B 3652</p> <p>C 6235</p> <p>D 6538</p>
<p>21. Which one of the following is a prime number?</p> <p>A 33</p> <p>B 35</p> <p>C 37</p> <p>D 39</p>	<p>22. What is the Least Common Multiple (L.C.M.) of 12 and 18?</p> <p>A 6</p> <p>B 8</p> <p>C 24</p> <p>D 36</p>
<p>23. What is $\frac{2}{5}$ expressed as a percentage?</p> <p>A 20 %</p> <p>B 25 %</p> <p>C 40 %</p> <p>D 50 %</p>	<p>24. Which one of the following is an obtuse angle?</p> <p>A </p> <p>B </p> <p>C </p> <p>D </p>

25. Which number is 100 **more than** 32128?

- A 31128
- B 32028
- C 32228
- D 33128

26. What is the direction of **R**?

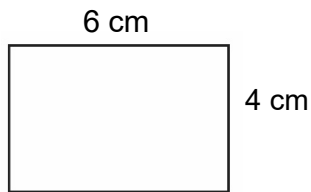
- A East
- B North West
- C North East
- D West



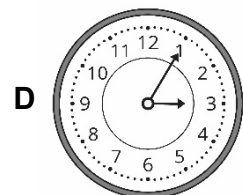
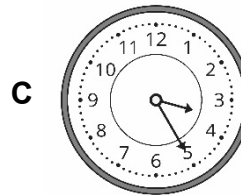
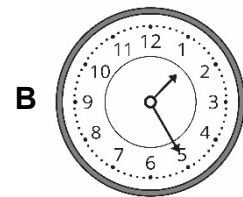
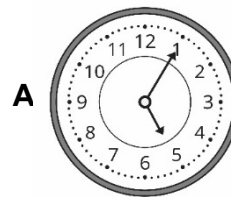
27. A rectangle has length 6 cm and width 4 cm as shown below.

What is the **area** of the rectangle?

- A 10 cm²
- B 12 cm²
- C 20 cm²
- D 24 cm²



28. Which one of the following shows the time 13 25?



M
R
HG
QC
CE

29. Work out:

$$\frac{5}{8} \div \frac{15}{32}$$

Answer:

[2]

30. A bus can carry a maximum of 50 passengers.

What is the **maximum** number of passengers which 12 such buses can carry?

Answer: passengers

[2]

31. Susan sleeps for $8\frac{1}{2}$ hours daily.

For how many hours does she sleep in **one week**?

Answer: hours

[2]

M
R
HG
QC
CE

32. Two boxes weigh 10 kg 800 g altogether.
One box weighs 5 kg 950 g.

Find the mass of the other box, giving your answer in kg and g.

Answer: kg g

[2]

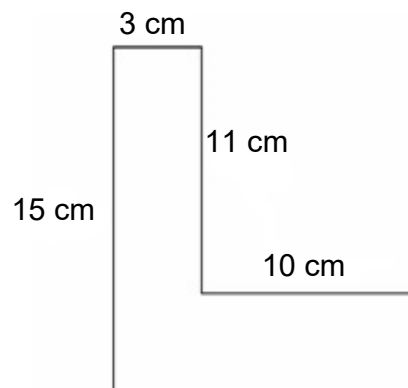
33. (a) Safira buys 1 L of juice.
She gives 0.2 L of juice to Monique and 0.35 L of juice to Dev.

How much juice does she have left?

Answer: L

[3]

- (b) Find the **perimeter** of the figure shown below.

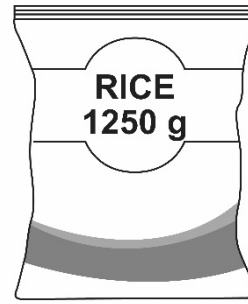


Answer: cm

[3]

M
R
HG
QC
CE

34. A shopkeeper buys 150 kg of rice.
 She puts them in small packets.
 Each small packet of rice weighs 1250 g.



How many such small packets of rice does the shopkeeper get?

Answer: small packets

[3]

35. **£1 = Rs 54**
 Ivano changes £ 500 into rupees.
 He spends 60 % of the money.

How much money, in rupees, is **left**?

Answer: Rs

[3]

M
R
HG
QC
CE

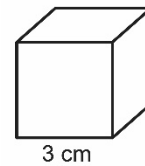
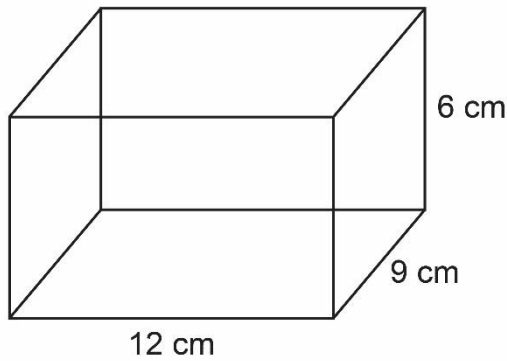
36. Annick buys a mobile phone for Rs 7800.
She then sells it and makes a profit of 10 %.

Calculate the price at which Annick sells the mobile phone.

Answer: Rs

[3]

37. A cuboid has length 12 cm, width 9 cm and height 6 cm.



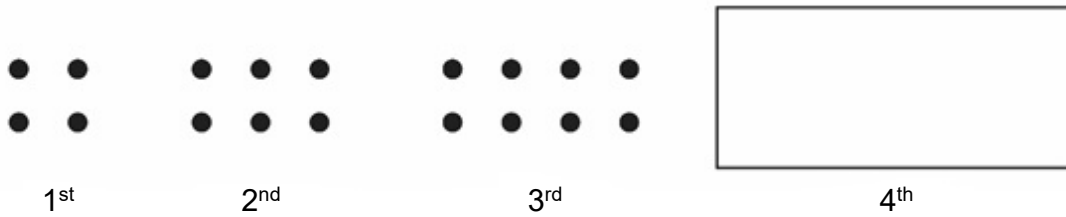
How many cubes of side 3 cm can fit in the cuboid?

Answer: cubes

[4]

M
R
HG
QC
CE

38. Below is a pattern.

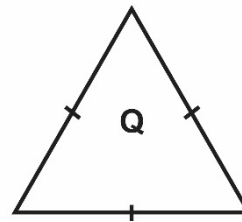
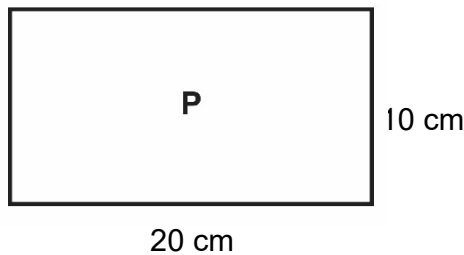


(a) Draw the 4th term of the pattern in the space provided. [1]

(b) How many dots are there in the 5th term?

Answer: [1]

39. **P** is a rectangle of length 20 cm and width 10 cm.
Q is an equilateral triangle.



The perimeter of **P** is four times the perimeter of **Q**.

Calculate the length of one side of triangle **Q**.

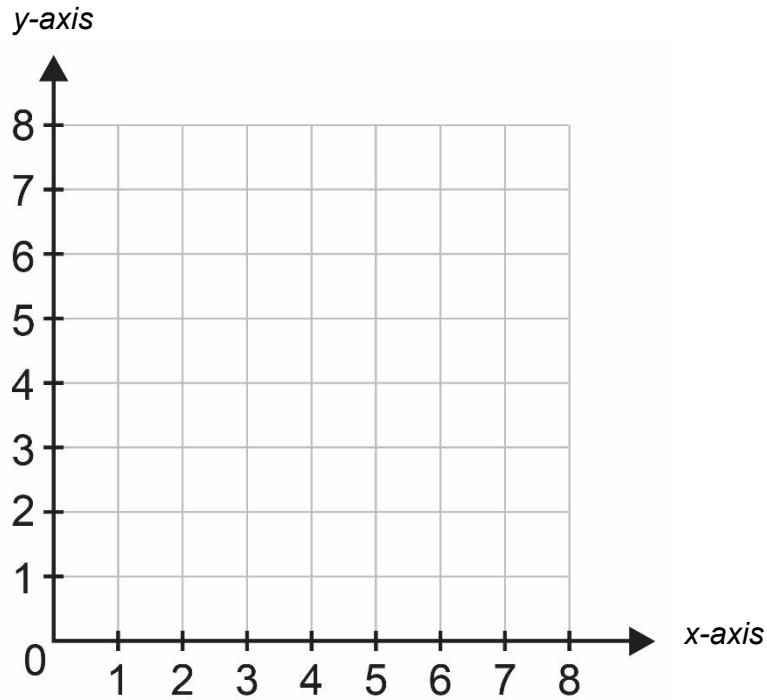
Answer: cm

[4]

M
R
HG
QC
CE

40. (a) Plot the following points on the graph below.

A (1 , 1), **B** (1 , 6) and **C** (5 , 1)



[2]

(b) (i) Draw triangle **ABC** on the graph.

[1]

(ii) What is the **special name** given to triangle **ABC**?

Answer: triangle

[1]

(iii) Calculate the **area** of triangle **ABC**.

Answer: units²

[2]

41. Jim's snack has the following working hours.



For how many hours does Jim's snack remain open **daily**?

Answer: hours

[3]

42. Simone is 11 years old.
 Monique is 7 years **younger** than Simone.
 Pierre is 10 years **older** than Simone.

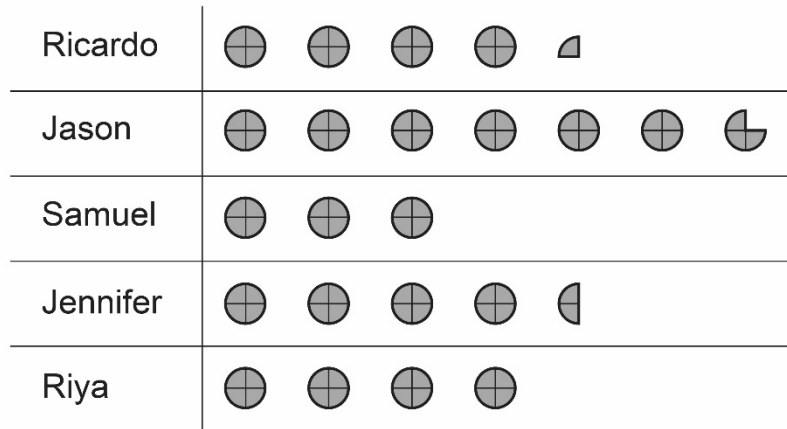
What is the average age of the three persons?

Answer: years old

[5]

M
R
HG
QC
CE

43. The chart below shows the number of shells collected by five friends.



Key:  represents 4 shells

(a) Who collected the **least** number of shells?

Answer: [1]

(b) Find the ratio of shells collected by Samuel to the ratio of shells collected by Jennifer in its **simplest form**.

Answer: [2]

(c) What is the **total number** of shells collected?

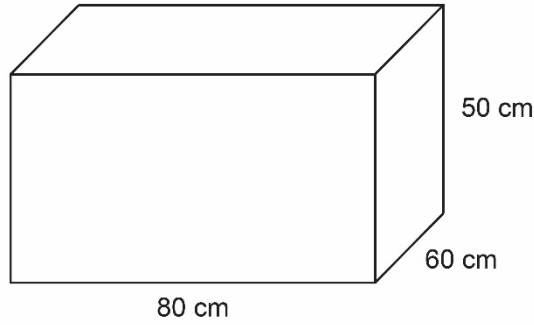
Answer: shells [2]

(d) The information given in the pictogram is represented on a pie chart.

What is the size of the angle representing the number of shells collected by Ricardo on the pie chart?

Answer: [3]

44. A rectangular tank is 80 cm long, 60 cm wide and 50 cm high.



(a) Half of the tank is filled with water.

Find the **volume of water** in the tank.

Answer: cm^3

[3]

(b) All the water from the tank is poured into identical buckets, each of capacity 12 litres.

How many such buckets can be filled completely?

(1 L = 1000 cm^3)



Answer: buckets

[3]

M
R
HG
QC
CE

45. 4 pens and 6 pencils cost Rs 172.
2 pens and 2 pencils cost Rs 74.

Find the cost of 1 pencil.

Answer: Rs

[4]

46. A bus leaves village **X** at 06 45.
 It travels at an average speed of 60 km/h.
 It reaches village **Y** at 09 15.

How much time will the bus take to return to village **X** if its average speed is **decreased** by 10 km/h?

Answer: hours

[5]

END OF PAPER

M
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HG
QC
CE

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