



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**  
**2024**  
**Time: 1 hour 45 minutes** **Total Marks: 100**

**INSTRUCTIONS TO CANDIDATES**

1. Check that this assessment booklet contains **45** 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		Quality Control	
	Marks	Sig	Marks	Sig	Marks	Sig
1 - 9						
10 - 18						
19 - 28						
29 - 32						
33 - 34						
35 - 36						
37						
38 - 39						
40 - 41						
42 - 43						
44						
45						
<b>Total</b>						
<b>Sig (HOG)</b>						

1. Work out:

$$\begin{array}{r} 504 \\ + \\ 294 \\ \hline \end{array}$$

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

[1]

2. Work out:

$$\begin{array}{r} 859 \\ - \\ 321 \\ \hline \end{array}$$

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

[1]

3. How many lines of symmetry does an **equilateral triangle** have?

**Answer:** ..... lines of symmetry

[1]

4. Work out:

$$\begin{array}{r} 432 \\ \times 3 \\ \hline \end{array}$$

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

[1]

5. Write down the missing term in the sequence below.

30 , 35 , 40 , \_\_\_\_\_ , 50 , 55

[1]

6. Convert 3 km into m.

**Answer:** ..... m

[1]

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

In words	In figures
<b>Example:</b> Five hundred and sixty one	561
(a) One hundred and two	_____
(b) _____ _____	8794

[2]

8. Write down a fraction **equivalent** to  $\frac{1}{4}$ .

**Answer:** .....

[1]

9. Find the **value** of  $6^2$ .

**Answer:** .....

[1]

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10. Work out:

$$\frac{5}{7} - \frac{2}{7}$$

**Answer:** .....

[1]

11. Which of the following angles is a **straight angle**?

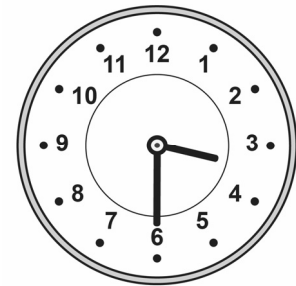
Circle the correct answer.

- 90°      180°      270°      360°

[1]

12. The clockface shows the time in the **afternoon**.

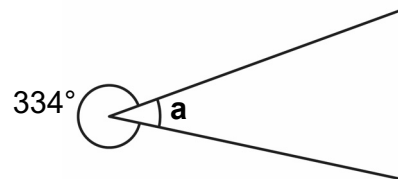
Write down the time shown on the clockface, **in figures**.



**Answer:** .....

[1]

13. Calculate the size of angle **a**.



Angle **a** = .....

[2]

14. Write down the **largest** number that can be formed using the 4 digits given below.  
Use each digit only once.

- 2
9
0
5

**Answer:** .....

[1]

15. Write down the correct number in the empty box below.

$$\boxed{\phantom{0000}} \div 10 = 3890$$

[1]

16. Find the **perimeter** of the square below.

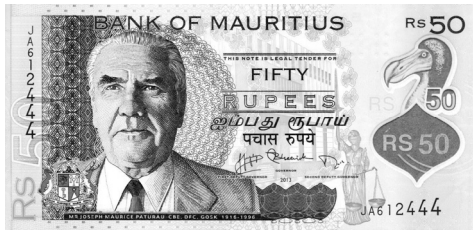


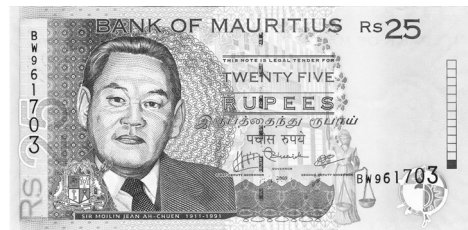
**Answer:** ..... cm

7 cm

[2]

17. Maya has the following notes and coins in her purse:












A book costs Rs 70. How can Maya pay the **exact** amount for the book?

**Tick (✓)** the correct notes and/or coins.

[1]

18. Find the Least Common Multiple (**L.C.M.**) of 21 and 35.

**Answer:** .....

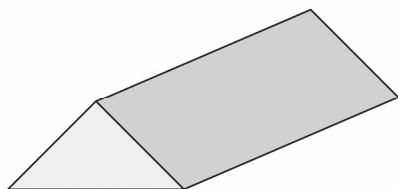
[2]

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For each question from numbers 19 to 28, circle the correct answer.

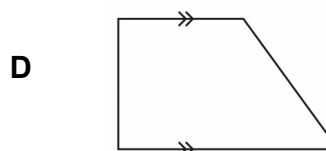
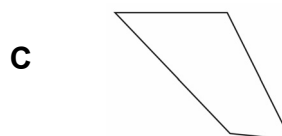
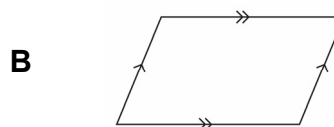
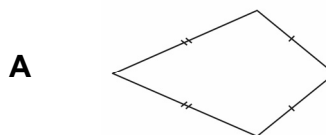
Each question carries one mark.

19. How many **faces** does the prism below have?



- A 9
- B 7
- C 6
- D 5

20. Which of the following shapes is a **parallelogram**?



21. What is the value of **2** in the number 3.42?

- A 2 units
- B 2 tenths
- C 2 hundreds
- D 2 hundredths

22. What is the Highest Common Factor (**H.C.F.**) of 8 and 12?

- A 4
- B 8
- C 12
- D 24

23.  $\frac{3}{4}$  as a **decimal** is

- A 0.30
- B 0.40
- C 0.75
- D 3.40

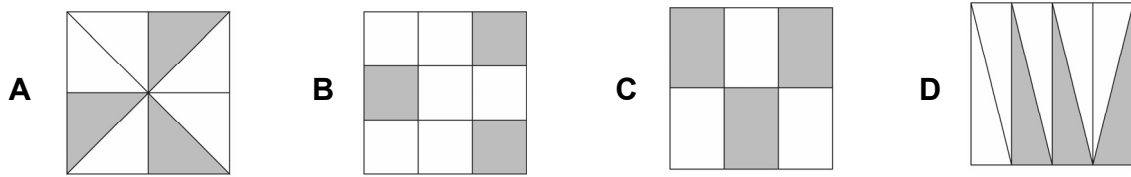
24. Which of the following is a **leap** year?

- A 2015
- B 2016
- C 2017
- D 2018

25. Anna has some money. After receiving Rs 15 from her mother, she finds that she has a total amount of Rs 25.  
How much money did Anna have **at first**?

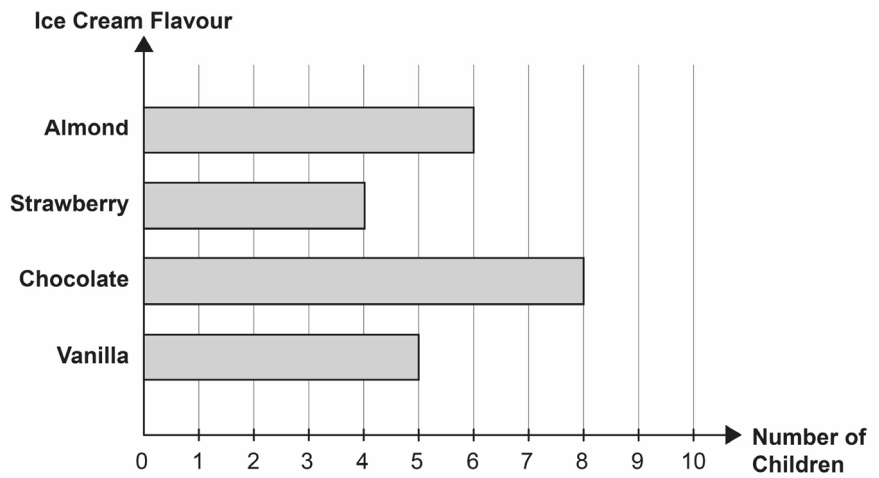
- A Rs 10
- B Rs 15
- C Rs 35
- D Rs 40

26. In which of the following diagrams is **half** of the figure shaded?



27. The bar chart below represents the preferred ice cream flavour of a group of children.  
Which ice cream flavour is the **most popular** among the children?

- A Almond
- B Chocolate
- C Strawberry
- D Vanilla



28.  $(7 \times 10) + (6 \times 1) + (8 \times 100) + (1 \times 1000) =$

- A 1867
- B 1876
- C 8176
- D 8716

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29. Circle the **prime** number in the list below:

51          79          87

[1]

Which of the following justifies your answer? Tick (✓) the correct box.

It is an odd number.

It has only 2 factors.

It is divisible by 3.

[1]

30. Ali has 96 stickers in his collection. Ben has **6 times** as many stickers as Ali.

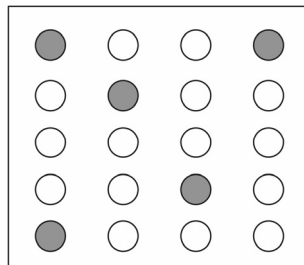
How many stickers does Ben have?

**Answer:** ..... stickers

[2]

31. There are 20 circles in the box shown below. Five of them are shaded.

How many **more** circles must be shaded so that 60% of the circles are shaded?



**Answer:** ..... more circles

[3]

32. Work out  $\frac{4}{45} \div \frac{8}{15}$ , giving your answer in its **simplest form**.

**Answer:** .....

[2]

M
R
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CE



33. Given that  $356 \times 283 = 100\,748$ , **without doing any calculation**, write down the missing numbers in the empty boxes below:

(a)  $100\,748 \div 283 = \underline{\hspace{2cm}}$

(b)  $\underline{\hspace{2cm}} \times 283 = 100\,748 + 283$

(c)  $35.6 \times 2.83 = \underline{\hspace{2cm}}$

[3]

34. **1 Pound Sterling (£) = Rs 58**

**1 Euro (€) = Rs 50**

(a) Vina has £70. She exchanges all her money into rupees.  
How much money does Vina get, in rupees?

**Answer:** Rs ..... [2]

(b) After spending Rs 2560, Vina exchanges her remaining money into **Euros (€)**.  
How many Euro(s) does she receive?

**Answer:** € ..... [3]

M
R
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CE

35. A baker has 11 kg 410 g flour. He uses 9 kg 760 g.

(a) How much of the flour will be **left**?

**Answer:** ..... kg ..... g

[2]

(b) He now packs the **remaining** flour into packets of 330 g each.  
How many packets of flour does he get?

**Answer:** ..... packets

[3]

36. In a supermarket, there is a special offer on the cake shown below:



**BUY ONE CAKE AT**  
★ RS 540 ★  
**AND**  
**GET THE SECOND ONE AT**  
★ 50% OFF ★

How much will a buyer pay in **total** for 4 cakes?

**Answer:** Rs .....

[3]

M
R
HG
QC
CE

37. The table shows the times at which different flights depart from Mauritius to Rodrigues.

Flight Number	Departure time
1	09 00
2	09 30
3	10 00
4	10 40

- (a) The duration of a flight from Mauritius to Rodrigues is 1 hour 35 minutes. If Anita takes flight number 4, at what time will she reach Rodrigues?

**Answer:** .....

[2]

- (b) Liam reaches the airport at 07 45 to take flight number 2 to Rodrigues. The departure of flight number 2 is delayed by 20 minutes. How long does Liam have to wait for his flight to depart?

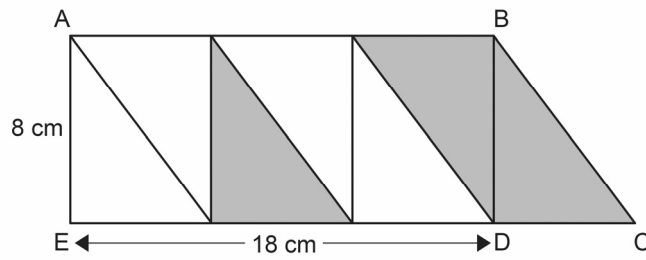
**Answer:** ..... h ..... minutes

[3]

M
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38. The figure below is made up of seven **identical** right-angled triangles.

ED = 18 cm and AE = 8 cm.



(a) Find the length of CD.

**Answer:** ..... cm

[2]

(b) Calculate the **area** of the shaded part.

**Answer:** ..... cm<sup>2</sup>

[3]

39. (a) A car covers the distance of 126 km between Town **A** and Town **B** in 2 hours.  
 Calculate the average speed of the car in km/h.

**Answer:** ..... km/h [2]

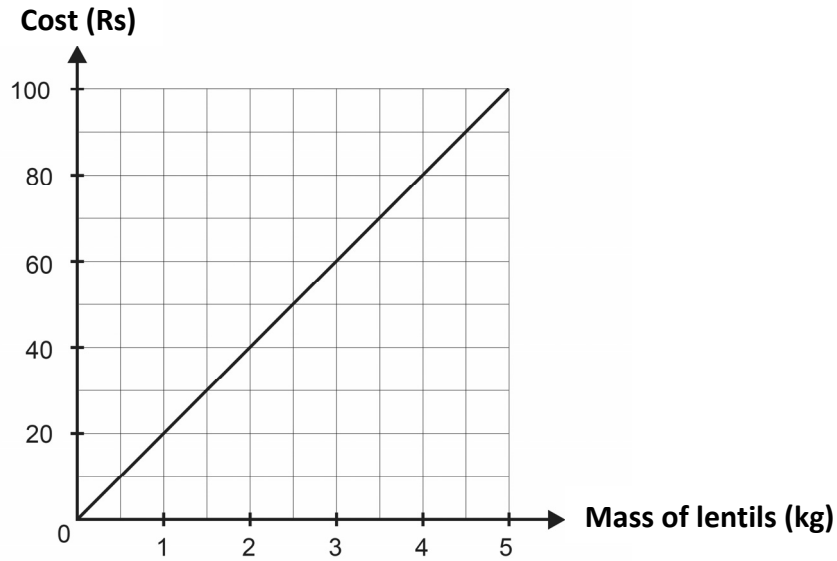
- (b) A lorry covers the 126 km between Town **A** and Town **B** at an average speed of 42 km/h.

How much **more** time does the lorry take compared to the car?

**Answer:** ..... hour(s) [3]

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40. The line graph below shows the cost of lentils in a supermarket.



Use the graph to answer the following questions.

(a) (i) What is the cost of 4 kg of lentils?

**Answer:** Rs .....

[1]

(ii) How many kilograms of lentils can be bought with Rs 50?

**Answer:** ..... kg

[1]

(b) Rita buys 7 kg of lentils. She pays the shopkeeper with a 200-rupee note. How much change does she receive?

**Answer:** Rs .....

[3]

41. The pictogram below represents the number of customers who visited a restaurant from Tuesday to Saturday during a certain week. The key for the pictogram **is not given**.

<b>Tuesday</b>	●	●	●	◐				
<b>Wednesday</b>	●	●	◐					
<b>Thursday</b>	●	●	●	●				
<b>Friday</b>	●	●	◐					
<b>Saturday</b>	●	●	●	●	●	◐		

(a) On which two days were there the **same** number of customers at the restaurant?

**Answer:** ..... and ..... [1]

(b) On which day did the restaurant have the **greatest** number of customers?

**Answer:** ..... [1]

(c) 250 customers visited the restaurant on Friday. How many customers does the key ● represent?

**Answer:** ..... customers [2]

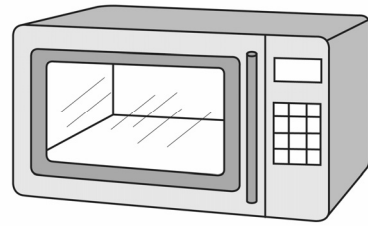
(d) Write down the ratio of the number of customers on Tuesday to the number of customers on Saturday.

Give your answer in its **simplest form**.

**Answer:** ..... : ..... [3]

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42. The price of a microwave is increased by 10%.  
 It now costs Rs 3740.  
 Calculate the **original** price of the microwave.



**Answer:** Rs .....

[3]

43. Kate scored 64 marks in English and 79 marks in French.  
 Her average mark for English, French and Mathematics is 75.  
 How many marks did Kate score in Mathematics?

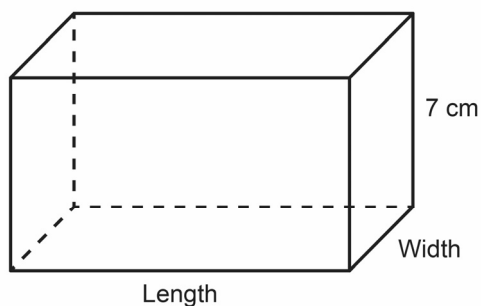
**Answer:** ..... marks

[4]

M
R
HG
QC
CE



44. The volume of the cuboid shown is  $700 \text{ cm}^3$ .  
 It has a height of  $7 \text{ cm}$ .  
 The width of the cuboid is  $\frac{1}{4}$  of its length.  
 Calculate the length of the cuboid.



**Answer:** ..... cm

[4]

M
R
HG
QC
CE

45. An apple costs Rs 5.00. An orange costs Rs 3.50 more than an apple.  
A fruit seller buys 250 apples and 300 oranges.  
After selling all the apples and oranges, he makes a profit of 25%.

Calculate the **total selling price** of the apples and oranges.

**Answer:** Rs .....

[5]

**END OF PAPER**

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