

Index Number:

MAURITIUS EXAMINATIONS SYNDICATE

Primary School Achievement Certificate Assessment 2021-2022

Time: 1 hour 45 minutes

Total Marks: 100

INSTRUCTIONS TO CANDIDATES

1. Check that this assessment booklet contains **45** questions printed on **19** pages numbered 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20.
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 - 9 | | | | | | |
| 10 - 17 | | | | | | |
| 18 - 28 | | | | | | |
| 29 - 30 | | | | | | |
| 31 - 32 | | | | | | |
| 33 - 34 | | | | | | |
| 35 - 36 | | | | | | |
| 37 - 38 | | | | | | |
| 39 - 41 | | | | | | |
| 42 | | | | | | |
| 43 - 44 | | | | | | |
| 45 | | | | | | |
| Total | | | | | | |
| Sig (HOG) | | | | | | |

1. Work out:

$$\begin{array}{r} 645 \\ + \\ 234 \\ \hline \end{array}$$

Answer:

[1]

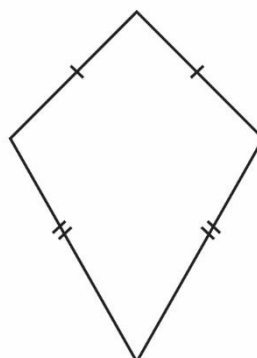
2. Work out:

$$\begin{array}{r} 857 \\ - \\ 543 \\ \hline \end{array}$$

Answer:

[1]

3. Draw the line(s) of symmetry of the kite shown.



[1]

4. Work out:

$$\begin{array}{r} 423 \\ \times 2 \\ \hline \end{array}$$

Answer:

[1]

5. Work out:

$$3 \overline{) 639}$$

Answer:

[1]

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

| In words | In figures |
|--|------------|
| Example: Two hundred and thirty one | 231 |
| (a) Six hundred and five | _____ |
| (b) _____ _____ | 4780 |

[2]

7. Convert 8 L into mL.

Answer: _____ mL

[1]

8. Work out:

$$\frac{3}{8} + \frac{4}{8}$$

Answer: _____

[1]

9. Convert $\frac{12}{5}$ to a **mixed** number.

Answer: _____

[1]

10. Find the value of 2^3 .

Answer: _____

[1]

11. Which one of the following is a **square** number?

8 18 24 36 66

Answer: _____

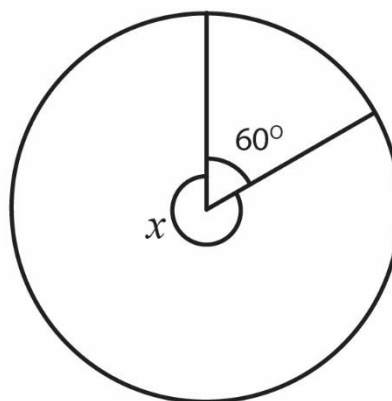
[1]

12. What is the Highest Common Factor (**H.C.F.**) of 15 and 18?

Answer: _____

[2]

13. Calculate angle x .

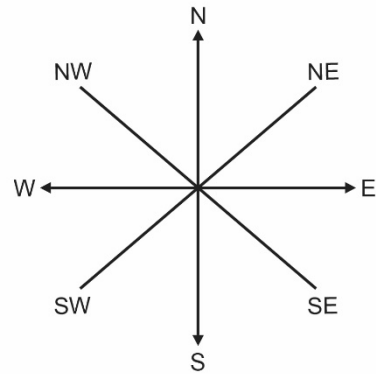


Answer: $x =$ _____^o

[2]

14. Sara is facing **West**.

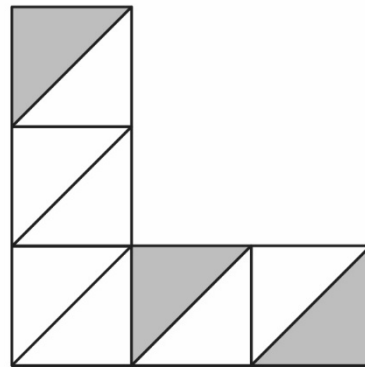
Which direction will she face after making $\frac{1}{4}$ turn **anticlockwise**?



Answer: _____

[1]

15. What fraction of the diagram shown is **shaded**?



Answer: _____

[1]

16. Complete the pattern below.

12 , 14 , 16 , 18 , 20 , _____ .

[1]

17. Work out the following:

$$\frac{2}{3} \times \frac{1}{5}$$

Answer: _____

[1]

For each question from numbers 18 to 28, circle the letter which shows the correct answer. An example is given.

$$5 + 3 =$$

A 15

C 2

(B) 8

D 10

18. $(5 \times 10) + (2 \times 100) + (6 \times 1) + (8 \times 1000) =$

A 5268

B 5865

C 8256

D 8625

19. Which of the following is a multiple of 8?

A 4

B 6

C 18

D 24

20. What is the value of **5** in 467 509?

A 5 tens

B 5 hundreds

C 5 thousands

D 5 ten thousands

21. $\frac{3}{5}$ expressed as a **percentage** is

A 60 %

B 53 %

C 35 %

D 30 %

22. In a sale, the price of a purse is reduced by Rs 50. After the reduction, the purse costs Rs 250.

What was the **original price** of the purse?

A Rs 150

B Rs 200

C Rs 300

D Rs 350

23. Which one of the following is a **reflex** angle?

A 56°

B 108°

C 180°

D 259°






















24. What is 5 % expressed as a **decimal**?

- A 0.005
- B 0.05
- C 0.50
- D 5.0

25. Which of the following was a **leap year**?

- A 2018
- B 2019
- C 2020
- D 2021

26. The pictogram below shows the favourite food item of a group of children.

| Food Item | Number of Children |
|------------|---|
| Pizza |      |
| Macaroni |     |
| Sandwich |       |
| Dholl puri |       |

Key:  represents 4 children

Which food item is preferred by **most** children in the group?

- A Pizza
- B Macaroni
- C Sandwich
- D Dholl puri

27. Which of the following clockface is showing five minutes past eleven?

A



B



C



D



28. Which one of the following has its mass usually measured in **tonnes**?



- A A cupboard
- B A cargo ship
- C A paperclip
- D A watermelon

29. Write down the following numbers in **ascending** order, starting with the smallest.

0.5

1.5

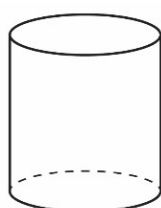
0.3

0.03

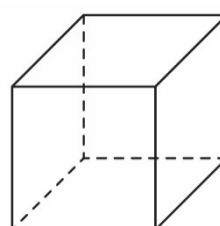
Answer: _____ , _____ , _____ , _____

[1]

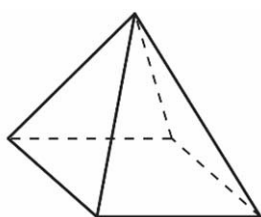
30. Study the shapes below and answer the questions that follow.



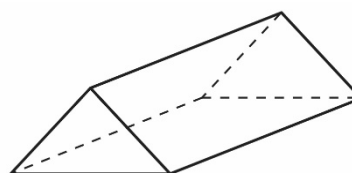
A



B



C



D

(a) How many vertices does shape B have?

Answer: _____ **vertices**

(b) What is the name given to shape A ?

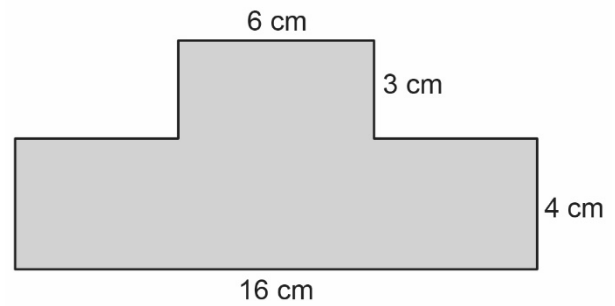
Answer: _____

(c) Which of the shapes A, B, C or D has **one square face** and **four triangular faces**?

Answer: _____

[3]

31. Find the area of the shape given below.



Answer: _____ cm^2

[4]

32. A rope is cut into 2 pieces in the ratio 3 : 5. The length of the **shorter** piece is 24 cm.
What was the length of the rope?

Answer: _____ cm

[3]

33. Gary has 120 marbles in his collection.
10% of the marbles are blue and the rest are red.
How many **red** marbles does Gary have in his collection?

Answer: _____ **red marbles**

[3]

34. The table below shows the opening and closing times of a children's playground.
Study the table and answer the questions that follow.

| Days | Opening time | Closing time |
|------------------------------|--------------|--------------|
| Mondays to Fridays | 09 45 | 18 30 |
| Saturdays and Sundays | 08 00 | 19 40 |

- (a) At what time does the playground close on Sundays?

Answer: _____

[1]

- (b) On Monday, Mary arrives at the playground at 15 45.
She leaves when the playground **closes**.
How much time did she spend at the playground?
Give your answer in hours and minutes.

Answer: _____ h _____ minutes

[2]

35. Given that $\boxed{486} \times \boxed{38} = \boxed{18\,468}$

Without doing any calculation, fill in the empty boxes below.

(a) $18\,468 \div \underline{\hspace{2cm}} = 486$

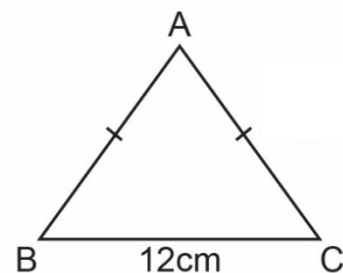
(b) $\boxed{\quad} \times \boxed{38} = \boxed{18\,468} + \boxed{38}$

(c) $\boxed{48.6} \times \boxed{0.38} = \boxed{\quad}$

[3]

36. ABC is an isosceles triangle, in which $AB = AC$, and $BC = 12$ cm
Its perimeter is 32 cm.

Find the length of AB.

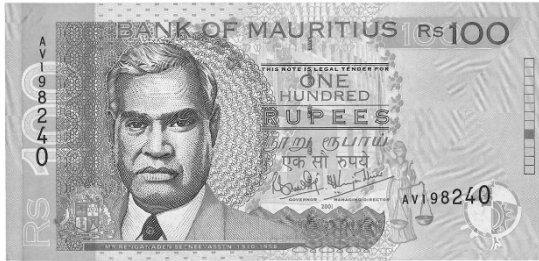


Answer: _____ cm

[3]

37. Mira buys a packet of rice at the shop. She gives a Rs 200-note to the shopkeeper.

Below is the **change** that the shopkeeper gives to Mira.



100-rupee note



20-rupee coin



1-rupee coin



50-cent coin

a) How much **change** does the shopkeeper give to Mira?

Answer: Rs _____

[2]

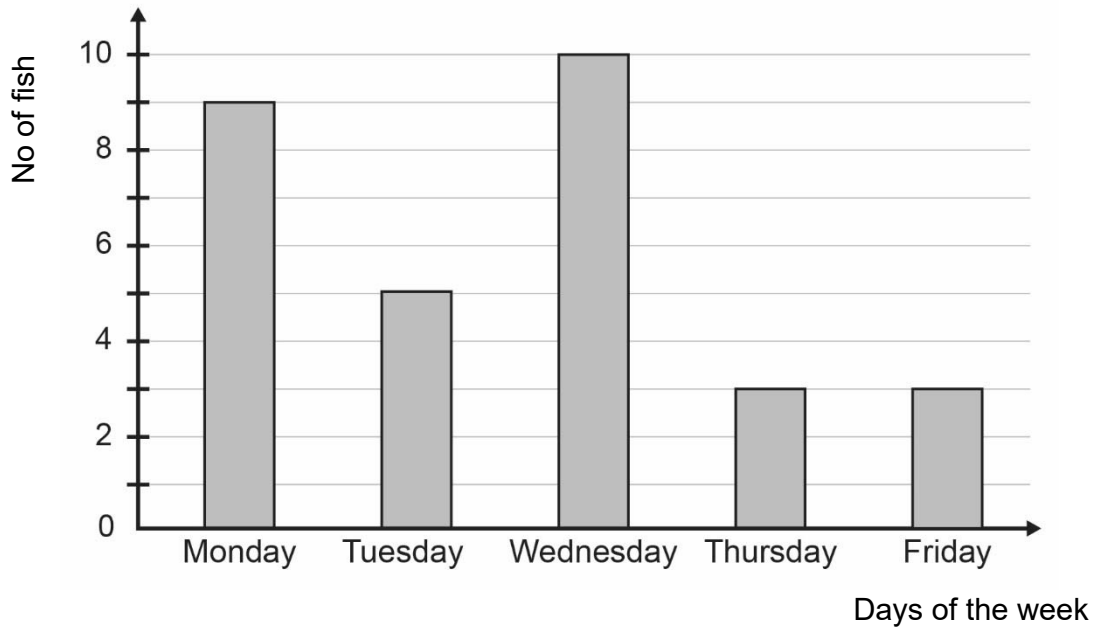
b) How much did Mira pay for the packet of rice?

Answer: Rs _____

[2]

38. The bar chart below shows the number of fish caught by a fisherman from Monday to Friday during a week.

Study the bar chart and answer the questions that follow.



- (a) How many fish did the fisherman catch on Tuesday?

Answer: _____ fish. [1]

- (b) On which two days did the fisherman catch the **same** number of fish?

Answer: _____ and _____ [1]

- (c) What is the **average** number of fish caught from Monday to Friday?

Answer: _____ fish. [3]

39. (a) A car travels a distance of 108 km from Town A to Town B in 2 hours.
Calculate the average speed of the car in **km/h**.

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

- b) On its way back from Town B, the average speed of the car increases by 6 km/h.
Calculate the time taken by the car to travel from Town B to Town A.

Answer: _____ **h** [3]

40. **€ 1 = Rs 50**

£ 1 = Rs 60

- (a) Mr John has **€ 470**. He changes all his money into rupees.
Calculate the amount of money he gets in **rupees**.

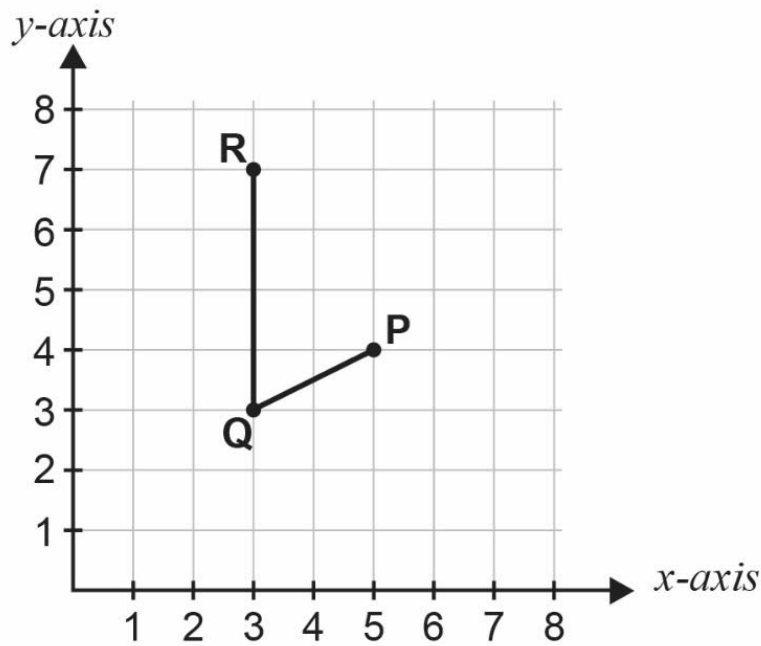
Answer: Rs _____ [2]

- (b) After spending Rs 8 980, Mr John exchanges the rest of the money into **pound Sterling (£)**.

How much money does he get in **pound Sterling (£)**?

Answer: £ _____ [3]

41. The points **P**, **Q** and **R** are shown on the graph below.



a) Write down the coordinates of the point R.

Answer: (____ , ____)

b) Plot the point **S** (5, 8) on the graph above.

c) What is the special name given to quadrilateral **PQRS**?

[3]

Answer: _____

42. The table below shows the ingredients needed to bake one cake.

| Ingredients for one cake | Amount |
|--------------------------|--------|
| Grated coconut | 80 g |
| Flour | 285 g |
| Butter | 170 g |
| Sugar | 320 g |
| Eggs | 5 |
| Coconut milk | 250 mL |

a) How much **more** flour is needed than butter?

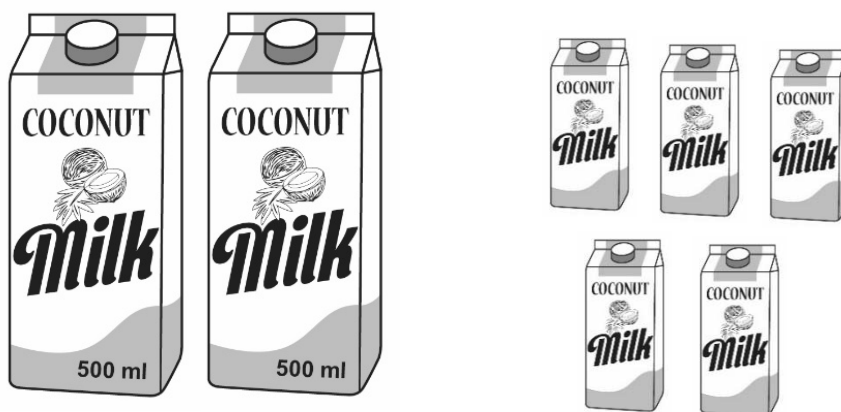
Answer: _____ g [2]

b) Sandra wants to bake 6 such cakes. How much **coconut milk** does she need to bake the 6 cakes?

Answer: _____ mL [2]

- c) Coconut milk is sold in large cartons and small cartons. A large carton contains 500 mL of coconut milk.

Sandra buys 2 large cartons and 5 small cartons. She uses all the coconut milk bought to bake the 6 cakes.



- (i) Calculate the capacity of 5 small cartons of coconut milk.

Answer: _____ mL

[2]

- (ii) Hence, find the capacity of one small carton of coconut milk.

Answer: _____ mL

[2]

43. When it is 05 00 in Mauritius it is 02 00 in France.

(a) What time is it in France when it is 12 10 in Mauritius?

Answer: _____

[2]

(b) A plane leaves Mauritius at 12 10 on Monday.

It takes 11 hours and 30 minutes to reach France.

What is the time in France when the plane lands?

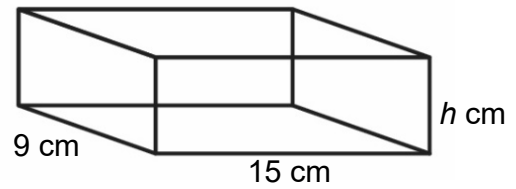
Answer: _____

[2]

44. (a) The cuboid shown below has length 15 cm, width 9 cm and height h cm.

The volume of the cuboid is 405 cm^3 .

Calculate the height, h cm, of the cuboid.



Answer: _____ cm

[3]

- (b) Calculate the total surface area of the cuboid.

Answer: _____ cm^2

[3]

45. Mariam has some money. She gives $\frac{2}{7}$ of her money to her brother.

(a) What fraction of the money is left?

Answer: _____

[2]

(b) Mariam then gives Rs 695 of the money to her sister.

She **now** has Rs 2 780.

How much money did Mariam have **at first**?

Answer: Rs _____

[4]