



CATHOLIC HIGH SCHOOL
END-OF-YEAR EXAMINATION (2024)
PRIMARY THREE
MATHEMATICS

Name : _____ ()

Class : Primary 3 _____

Date : 22 October 2024

Total time : 1 h 30 min

26 questions

50 marks

Parent's signature : _____

| | |
|--------------------|-----------|
| SECTION A | 12 |
| SECTION B | 26 |
| SECTION C | 12 |
| Total Marks | 50 |

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 16 printed pages.

Section A

Questions 1 to 6 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). All diagrams are not drawn to scale. (12 marks)

1. Express 6 l 8 ml in ml.

(1) 608 ml

(2) 680 ml

(3) 6008 ml

(4) 6800 ml

()

2. Find the product of 322 and 7.

(1) 44

(2) 46

(3) 2144

(4) 2254

()

3. 3 groups of _____ = 4×9

(1) 1

(2) 12

(3) 3

(4) 36

()

4. Which one of the following fractions is greater than $\frac{1}{2}$?

(1) $\frac{4}{7}$

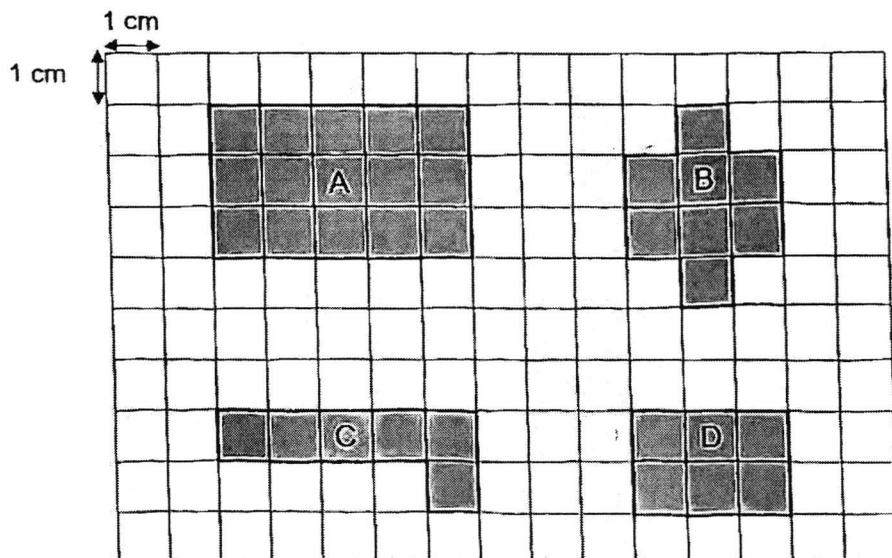
(2) $\frac{5}{10}$

(3) $\frac{3}{7}$

(4) $\frac{2}{5}$

()

5. Figures A, B, C and D are made up of 1-cm squares. Which two figures have the same perimeter?



(1) A and B

(2) B and C

(3) C and D

(4) D and A

()

6. Mabel had the following coins in her coin pouch.



She took out 3 coins from her pouch and counted them. Which of the following amounts could not be taken out from her pouch?

- (1) \$0.45
- (2) \$0.75
- (3) \$0.85
- (4) \$1.15

()

Section B

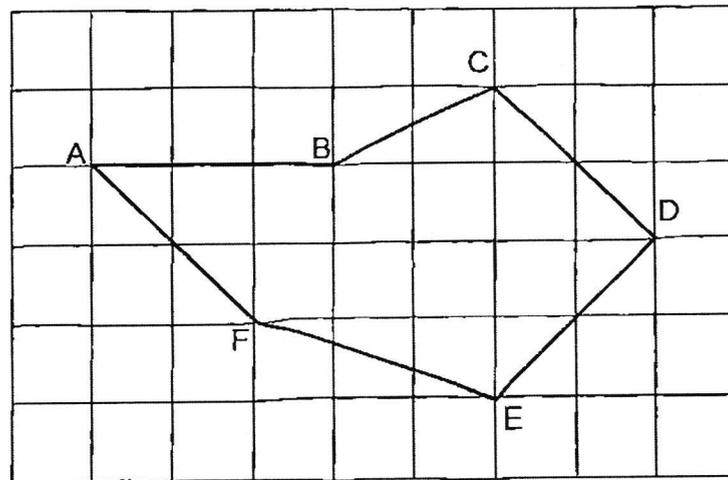
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Questions 7 to 12 carry 1 mark each. Show your working clearly in the space and write the correct answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (6 marks)

7. Write seven thousand and forty-nine in numerals.

Ans: _____

8. The figure below is drawn in a square grid. Study the figure below.

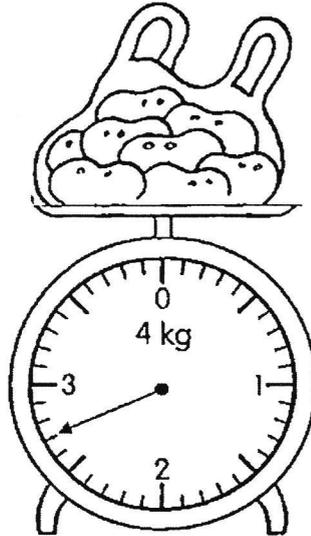


Name a line perpendicular to CD.

Ans: _____

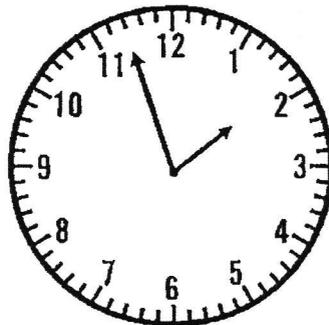
9. What is the mass of the bag of potatoes on the weighing scale?
Express your answer in kg and g.

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Ans: _____ kg _____ g

10. Peter completed his homework in the afternoon at the time shown on the clock. What time did Peter complete his homework?
Give your answer in 24-hour clock.



Ans: _____

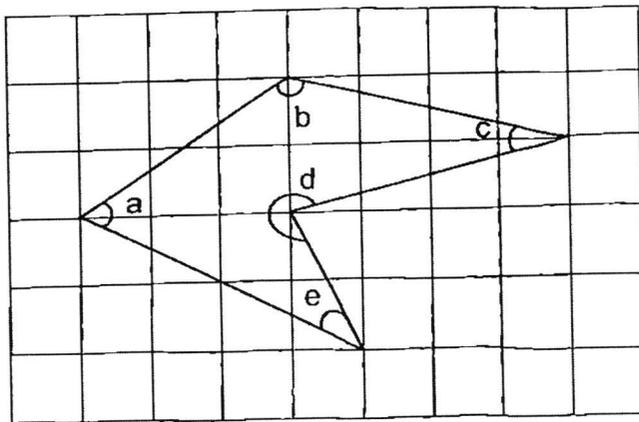
11. \$? - \$25.18 = \$74.90

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Ans: \$ _____



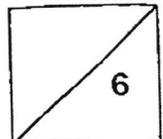
12. The following figure is drawn in a square grid. Name all the acute angles in the figure.



Ans: \angle _____



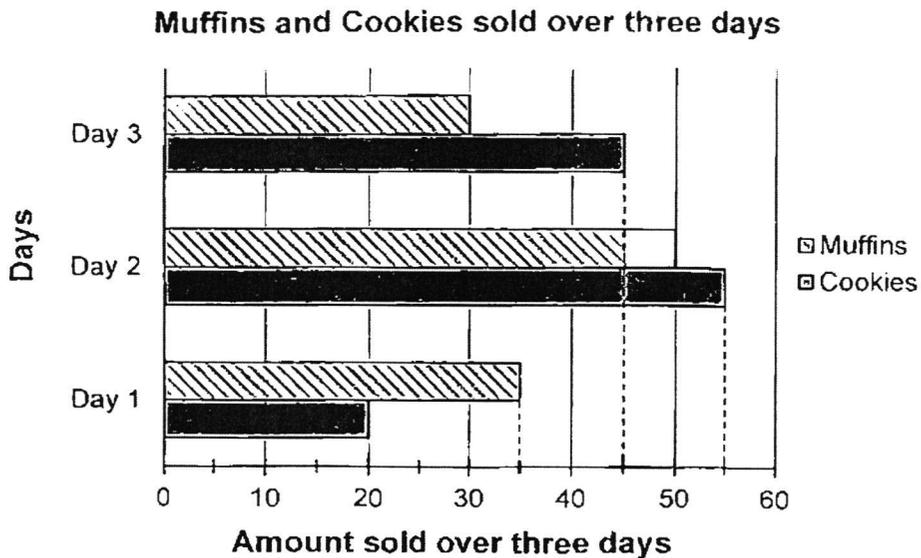
Total marks for questions 7 to 12



Questions 13 to 22 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale. (20 marks)

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13. The bar graph shows the number of muffins and cookies sold by a shop over three days. Study the graph carefully and answer question 13(a) and 13(b).



- (a) On which day did the shop sell more muffins than cookies?

Ans: (a) Day _____

- (b) How many cookies did the shop sell over three days?

Ans: (b) _____

14. What is the remainder when 737 is divided by 7?

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Ans: _____

15. Study the number pattern below. What is the missing number in the box?

356, 1356, 1366, 2366, 2376, , 3386, 4386, 4396

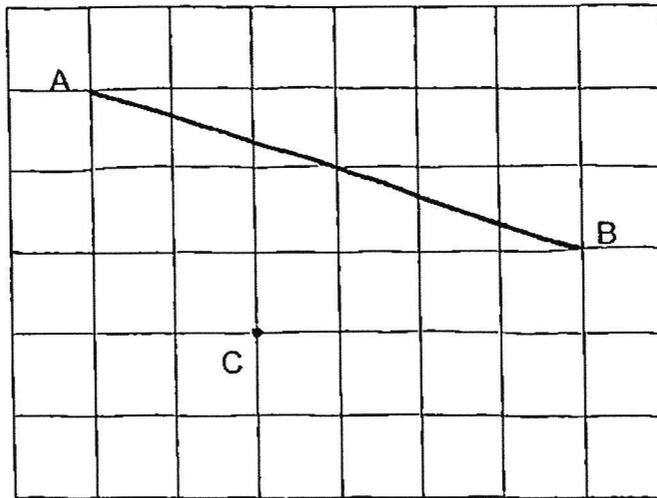
Ans: _____

16. Find the value of $\frac{1}{12} + \frac{2}{3}$. Express your answer as a fraction in its simplest form.

Ans: _____

17. Line AB is drawn on a square grid. Draw a line parallel to line AB and passes through point C.

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18. Find the missing numerator and denominator in the boxes below for (a) and (b).

$$\frac{4}{11} = \frac{\boxed{(a)}}{33} = \frac{20}{\boxed{(b)}}$$

Ans: (a) _____

(b) _____

19. Jimmy went for a run in the park. His watch was 15 minutes slow. The run lasted 135 min. According to his watch, he stopped running at 8.05 p.m. What was the actual time he started his run?

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Ans: _____ p.m.

20. The difference between two numbers is 1406. The greater number is 2034. What is the sum of the two numbers?

Ans: _____

21. Xin Li had 11 m of string. She cut the string into 9 equal pieces with 263 cm left. What was the length of each piece of string?

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Ans: _____ cm

22. 153 story books were shared among Alvin, Bala and Caleb. Alvin received twice as many story books as Bala. Caleb received fewer story books than Bala.

Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

| Statement | True | False | Not possible to tell |
|--|------|-------|----------------------|
| (a) Alvin has more story books than Caleb. | | | |
| (b) Caleb received only 9 story books. | | | |

Total marks for questions 13 to 22

END OF SECTION B

| |
|-----------|
| 20 |
|-----------|

Section C

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For Questions 23 to 26, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. All diagrams are not drawn to scale. (12 marks)

23. Anne paid \$720 for a pair of shoes and a belt. The pair of shoes cost 4 times as much as the belt. She also bought a shirt which cost \$45 more than the belt. How much did the shirt cost?

Ans: _____ [3]



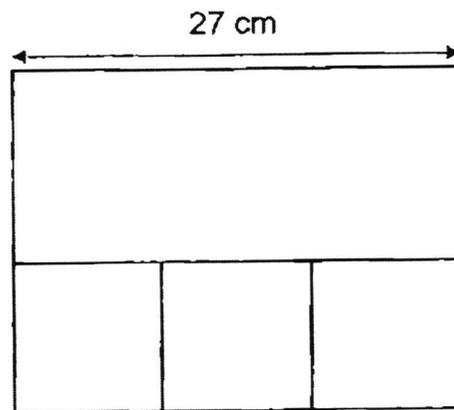
24. Pete had 1037 marbles. Ken had 1527 marbles. Pete then bought some more marbles. Ken had 285 fewer marbles than Pete in the end. How many marbles did Pete buy?

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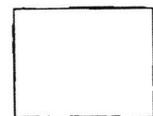
Ans: _____ [3]

25. The figure below is made up of a rectangle and 3 identical squares. The length of the rectangle is 27 cm. Find the area of each square.

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Ans: _____ [3]



26. Lines and dots are used to form the following figures that follow a pattern. The first three figures are shown below.

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Figure 1

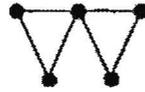


Figure 2

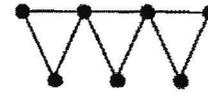


Figure 3

The table shows the number of lines and dots used for each figure.

| Figure Number | Number of dots | Number of lines |
|---------------|----------------|-----------------|
| 1 | 3 | 3 |
| 2 | 5 | 6 |
| 3 | 7 | 9 |
| 4 | 9 | (a) |

[1]

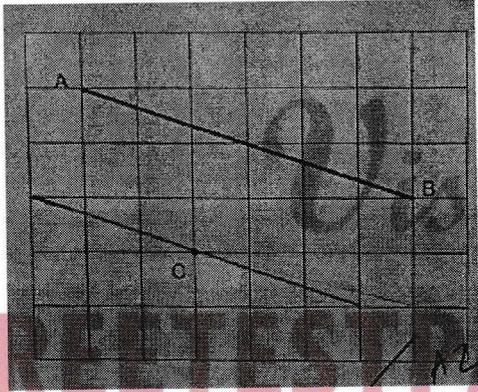
- (a) Complete the table for Figure 4.
 (b) Which Figure Number will have a total of 51 dots?

Ans: (b) _____ [2]

END OF PAPER

SCHOOL : CATHOLIC HIGH SCHOOL
LEVEL : PRIMARY 3
SUBJECT : MATH
TERM : 2024 SA2

CONTACT :

| | |
|------|---|
| Q1) | 3 |
| Q2) | 4 |
| Q3) | 2 |
| Q4) | 1 |
| Q5) | 2 |
| Q6) | 3 |
| Q7) | 7049 |
| Q8) | DE / CD |
| Q9) | 2kg 700g |
| Q10) | 1357 |
| Q11) | \$100.08 |
| Q12) | <a,e,c |
| Q13) | a)1 b)120 |
| Q14) | 2 |
| Q15) | 3376 |
| Q16) | $\frac{3}{4}$ |
| Q17) |  |

| | |
|------|---|
| Q18) | a)12 b)55 |
| Q19) | $8.05 + 15 = 8.20$ $8.20 - 2\text{h } 15\text{ min}$ $=6.05\text{ p.m.}$ |
| Q20) | $2034 - 1406 = 628$ $2034 + 628 = 2662$ |
| Q21) | $1100 - 263 = 837$ $837 \div 9 = 93\text{ cm}$ |
| Q22) | a) true b) Not possible to tell |
| Q23) | $720 \div 5 = 144$ $144 \times 4 = 576$ $576 + 144 = 720$ $144 + 45 = \$189$ |
| Q24) | $1527 - 1037 = 490$ $490 + 285 = 775$ |
| Q25) | $27 \div 3 = 9$ $9 \times 9 = 81\text{ cm}^2$ |
| Q26) | a)12 b)25 |