**Rosyth School**
**End-of-Year Examination 2024**
**Mathematics**
**Primary 3**

Name : _____ ( ) Total 50

Class : Pr 3 - _____ Duration: 1 h 15 min

Date : 22 October 2024 Parent's Signature: _____

Instructions to Pupils:
1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. This paper consists of 3 parts: Sections A, B and C.
5. For questions 1 to 8 in Section A, shade your answers in the Optical Answer Sheet (OAS).

| | Maximum Marks | Marks Obtained |
|---|---|---|
| **Section A** | 12 | |
| **Section B** | 24 | |
| **Section C** | 14 | |
| **Total** | 50 | |

* This paper consists of 15 printed pages altogether (including the cover page).

**Section A (12 marks)**

Questions 1 to 4 carry 1 mark each. Questions 5 to 8 carry 2 marks each. For questions 1 to 8, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided.

***All diagrams in this paper are not drawn to scale unless stated otherwise.***

1. In 7321, the digit 7 stands for _____.

   (1) 7

   (2) 70

   (3) 700

   (4) 7000

2. What is the product of 4 and 214?

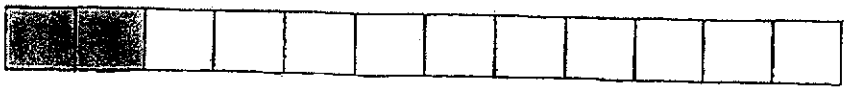
   (1) 816

   (2) 846

   (3) 848

   (4) 856

3. A strip of paper is divided into 12 equal parts.



How many more parts must be shaded so that $\frac{1}{2}$ of the paper is shaded?

(1) 5

(2) 6

(3) 3

(4) 4

4. Which one of the following is the same as 6 m 25 cm?

(1) 625 cm
(2) 6025 cm
(3) 6250 cm
(4) 62 500 cm

5. Complete the number pattern.

4852 , 4952 , _____ , 5152 .

(1) 5000
(2) 5052
(3) 5100
(4) 5252

6. The difference between two numbers is 158.
The greater number is 419.
What is the smaller number?

(1) 261
(2) 341
(3) 361
(4) 577

7. Joel saved $2461.
He saved $339 less than Raju.
How much money did Raju save?

(1) $2122
(2) $2700
(3) $2790
(4) $2800

8. $\boxed{?} + \frac{1}{2} = \frac{3}{4}$

What is the missing fraction?

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

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

(3) $\frac{2}{2}$

(4) $\frac{6}{8}$

**Section B (24 marks)**

Questions 9 to 12 carry 1 mark each. Questions 13 to 22 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

***All diagrams in this paper are not drawn to scale unless stated otherwise.***

9. What is the smallest 4-digit odd number that can be formed using all the digits below?
Each digit can only be used once.

| 5 | 0 | 2 | 7 |
|---|---|---|---|

Ans: _____

10. Find the difference between 651 and 7040.

Ans: _____

11. Xiao Ling had a ribbon 4m long.
She cut the ribbon and gave away two pieces of ribbons each 75 cm long.
What was the length of the remaining ribbon?
Express your answer in m and cm.

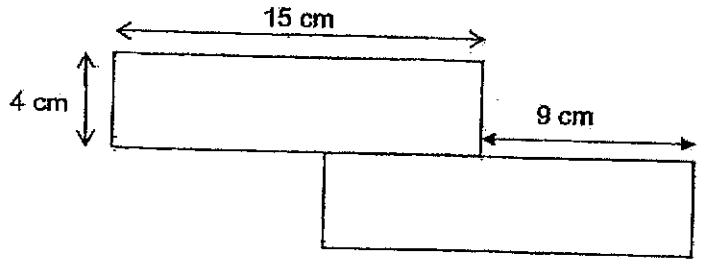
Ans: _____ m _____ cm

12. Count and write the correct amount of money.

Do not write in this space

Ans: $ _____

13. The figure is made up of 2 identical rectangles.
Find the perimeter of the figure.




Ans: _____ cm

14. The bar graph shows the number of footballs sold in a shop from Monday to Friday.

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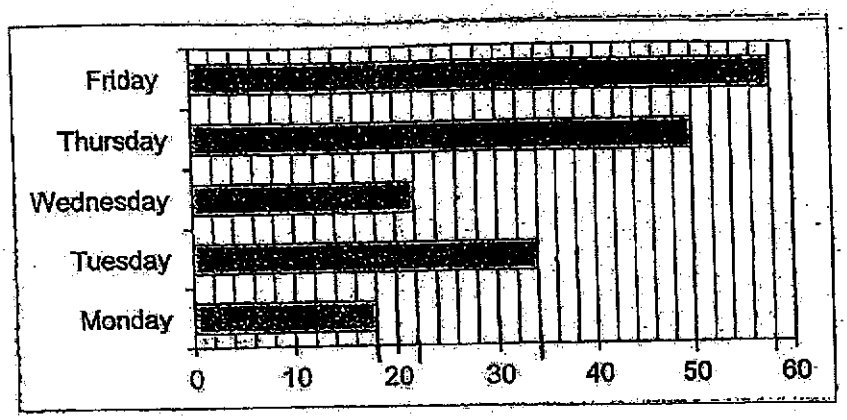


**Number of Footballs Sold**

Each football was sold for $9.
How much more money did the shop collect on Tuesday compared to Monday?

Ans: $ _____

15. The graph below shows the number of students who wear spectacles and students who do not wear spectacles.

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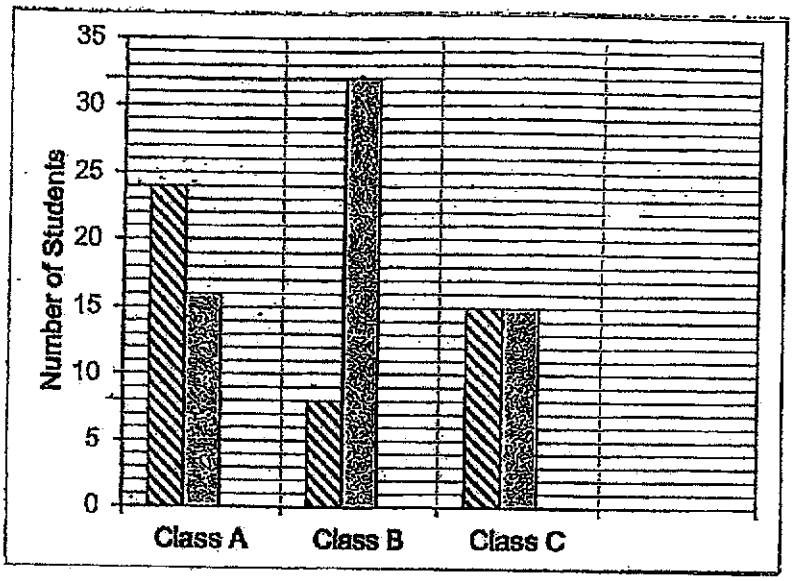



Students wearing spectacles.

Students not wearing spectacles.

Find the total number of students who wear spectacles in the three classes.

Ans: _____

16. Samy left his school at 2.45 p.m.
He needed 42 minutes to travel from his school to his home.
What time did he reach home?
Express your answer in 24-hour clock.

Do not write in this space

Ans: _____

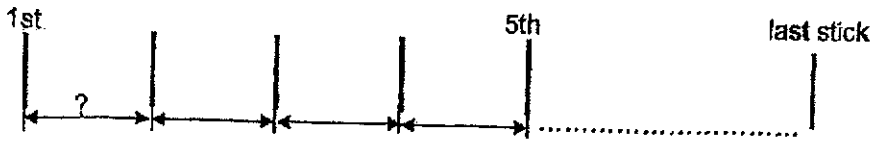
17. Siti and Mary scored the same number of points in a game at first.
Then, Siti won 256 more points and Mary lost 16 points.
How many more points did Siti have than Mary in the end?

Ans: _____

18. Mei Ling, Sarah and Diya had 270 beads.
Mei Ling had 3 times as many beads as Sarah.
Diya had twice as many beads as Sarah.
How many beads did Diya have?

Ans: _____

19. Mr Tan puts some sticks at equal distance on a straight line.




Do not write in this space

The distance between the 1st and 5th stick is 20 m.

a) What is the distance between the 1st and 2nd stick?

Ans: _____ m

b) The total distance between the 1st stick and the last stick is 40 m. How many sticks are there altogether?

Ans: _____

20. Arrange the fractions $\frac{1}{2}$, $\frac{5}{9}$, $\frac{2}{3}$ in order.

Begin with the greatest fraction.

Ans: _____, _____, _____
greatest

21. In the figure, how many of the marked angles are greater than a right angle?

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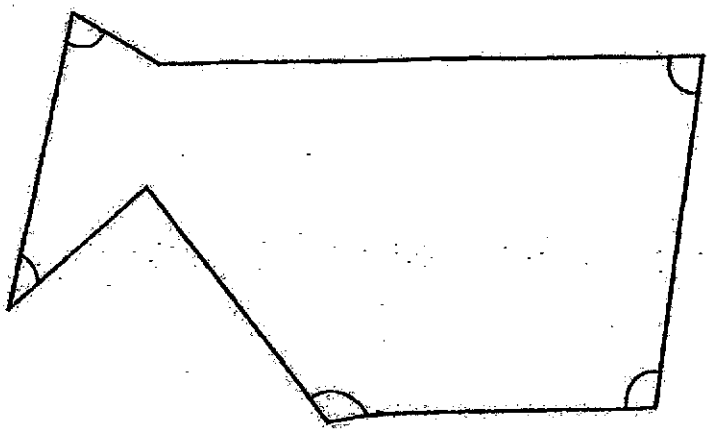
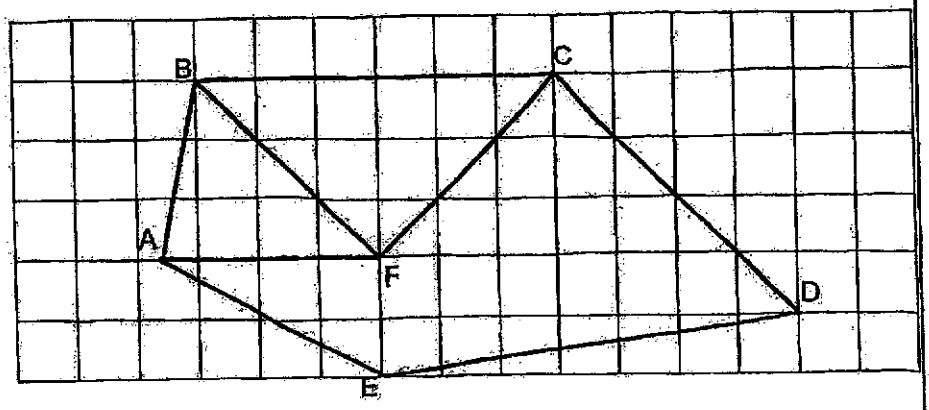


Ans: _____

22. Study the figure in the square grid and fill in the blanks below.




(a) Identify and name a pair of perpendicular lines.

Ans: (a) _____ ⊥ _____

(b) Identify and name a pair of parallel lines.

Ans: (b) _____ // _____

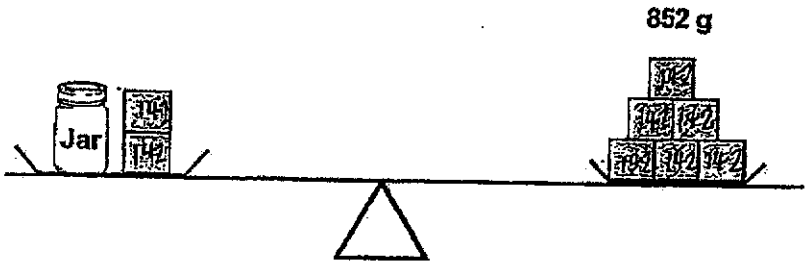
**Section C (14 marks)**

Questions **23** to **24** carry 3 marks each. Questions **25** to **26** carry 4 marks each. 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.

Do not write in this space

23. In the diagram below, each wooden block is of equal mass.

The mass of 6 blocks is 852 g.




Find the mass of the jar.

Ans: _____ [3]

24. Figure 1 is a rectangle and Figure 2 is a square.

The perimeter of the rectangle is the same as the perimeter of the square.

The length of the square is 8 cm.

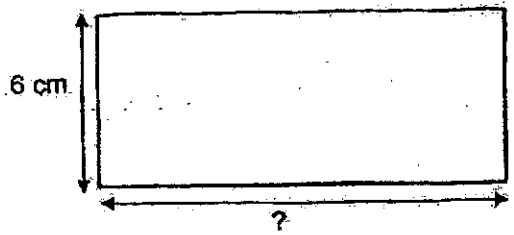



Figure 1

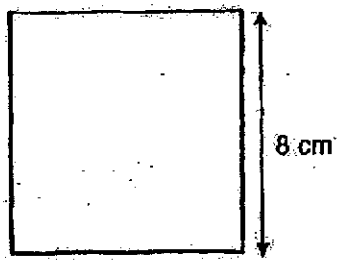



Figure 2

Find the length of the rectangle given that the breadth is 6 cm.

Do not write in this space

Ans: _____ [3]

25. Uncle Tom bought some books.
He packed 8 books in each box and found that he had 6 books left.
There were 240 boxes altogether.

Do not write in this space

(a) How many books did he buy?

Ans: _____ [2]

(b) He sold each box of books for $9 and the remaining books at $2 each.
How much did he receive altogether?

Ans: _____ [2]

Do not write in this space

26. Aminah had some beads.
She used 209 beads to make a necklace.
Her mother bought her another 350 beads.
She had 632 beads in the end.
How many beads did Aminah have at first?

Ans: _____ [4]

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End of Paper

SCHOOL : ROSYTH SCHOOL
LEVEL : PRIMARY 3
SUBJECT : MATHEMATICS
TERM : SA2

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 4 | 1 | 2 | 1 | 4 | 1 |

| | |
|---|---|
| Q9 | **2057** |
| Q10 | **6389** |
| Q12 | **2m 50cm** |
| Q13 | **15 + 15 = 30**<br>**30 + 9 = 39**<br>**39 + 9 = 48**<br>**4 x 4 = 16**<br>**48 + 16 = 64cm** |
| Q14 | **34 x 9 = 306**<br>**18 x 9 = 162**<br>**306 - 162 = 144** |
| Q15 | **24 + 8 = 32**<br>**32 + 15 = 47** |
| Q16 | **1527** |
| Q17 | **256 + 16 = 272** |
| Q18 | **270 ÷ 6 = 45**<br>**45 x 2 = 90** |
| Q19 (a) | **5 - 1 = 4**<br>**20 ÷ 4 = 5** |
| Q19 (b) | **40 ÷ 5 = 8**<br>**8 + 1 = 9** |
| Q20 | $\frac{2}{3}, \frac{5}{9}, \frac{1}{2}$ |

| | |
|---|---|
| Q21 | **2** |
| Q22 (a) | **CD and CF** |
| Q22 (b) | **BF//CD** |
| Q23 | **852 ÷ 6 = 142**<br>**142 x 2 = 284**<br>**852 - 284 = 568** |
| Q24 | **8 x 4 = 32**<br>**32 - 12 = 20**<br>**20 ÷ 2 = 10** |
| Q25 (a) | **240 x 8 = 1920**<br>**1920 + 6 = 1926** |
| Q25 (b) | **240 x 9 = 2160**<br>**6 x 2 = 12**<br>**2160 + 12 = 2172** |
| Q26 | **632 - 350 = 282**<br>**282 + 209 = 491** |