ROSYTH SCHOOL
END-OF-YEAR EXAMINATION 2022
MATHEMATICS
PRIMARY 3

Name : _____ ( ) Total /80

Class : Pr 3 - _____ Duration: 1h 45 min

Date : 27 October 2022 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 15 in Section A, shade your answers in the Optical Answer Sheet (OAS).

	Maximum Marks	Marks Obtained
Section A	**25**	
Section B	**35**	
Section C	**20**	
Total	**80**	

* This paper **consists of 21 printed pages** altogether (including the cover page).

Section A

Questions **1** to **5** carry 1 mark each and Questions **6** to **15** carry 2 marks each. For questions 1 to 15, 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.

(25 marks)

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1. 5 thousands and 3 tens written in numeral is _____ .

   (1) 5300

   (2) 5030

   (3) 5003

   (4) 5130

2. Which of the following numbers is the digit 4 in the hundreds place?

   (1) 1942

   (2) 2804

   (3) 3476

   (4) 4501

3. Ruth bought 6 packets of stickers. Each packet contains 9 stickers. How many stickers did Ruth have altogether?

   (1) 15

   (2) 45

   (3) 48

   (4) 54

4. The height of a classroom door is about _____.

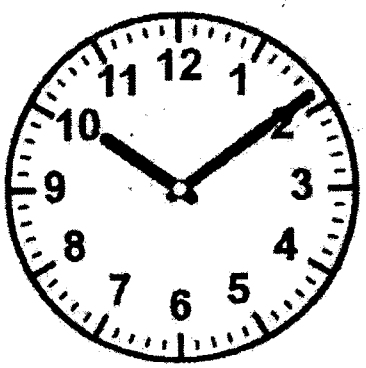
   (1) 2 cm

   (2) 2 m

   (3) 20 cm

   (4) 20 m

5. What is the time shown on the clock below?



   (1) 9 minutes past 10

   (2) 9 minutes to 10

   (3) 51 minutes past 10

   (4) 51 minutes to 10

6. Which of the following is the greatest number?

   (1) 3914

   (2) 3491

   (3) 3941

   (4) 3149

7. What is the difference between 7900 and 1090?

(1) 6800

(2) 6810

(3) 6990

(4) 8990

8. What is the remainder when 732 is divided by 7?

(1) 1

(2) 2

(3) 3

(4) 4

9. There are 35 students in a class. There are 5 students in each group. How many groups are there in the class?

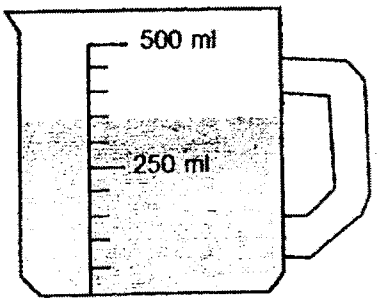
(1) 5

(2) 7

(3) 30

(4) 40

10. Study the diagram carefully.



How much more water must be poured into the container for it to be filled with 500 ml of water?

(1) 150 ml

(2) 230 ml

(3) 270 ml

(4) 350 ml

11. 640 is _____ less than 5800.

(1) 5140

(2) 5160

(3) 5260

(4) 6440

12. The sum of 2 numbers is 360. The difference between the 2 numbers is 40. What is the value of the smaller number?

(1) 160

(2) 200

(3) 320

(4) 400

13. Paul had 54 pencils. Weiming had 7 times as many pencils as Paul. How many more pencils did Weiming have than Paul?

(1) 61

(2) 324

(3) 378

(4) 432

14. Which one of the following fractions is equivalent to $\frac{2}{3}$?

(1) $\frac{1}{2}$

(2) $\frac{2}{6}$

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

(4) $\frac{4}{9}$

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

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

(2) $\frac{3}{5}$

(3) $\frac{5}{6}$

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

Section B

Questions **16** to **20** carry 1 mark each and Questions **21** to **33** 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.

(35 marks)

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

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

5	2	3	7

Ans: _____

17. 4702 + 3266 = _____

Ans: _____

18. There were 5398 people at a carnival.
4267 were adults and the rest were children.
How many children were at the carnival?

Ans: _____

19. 10 m 2 cm = _____ cm

Do not write in this space

Ans: _____ cm

20. Find the value of $3.30 — $ 0.80.

Ans: $ _____

21. What is the missing value in the box below?

5200 = ? + 3855

Ans: _____

(Go on to the next page)

22. What is the missing digit in the box?

$$8 \times \boxed{?} = 56$$

Do not write in this space

Ans: _____

23. Find the product of 509 and 9.

Ans: _____

24. Write the missing numerator and denominator.

$$1 = \frac{(a)}{8} = \frac{10}{(b)}$$

Ans: (a) _____

(b) _____

(Go on to the next page)

25. The graph shows the number of bottles four classes collected for a recycling project.

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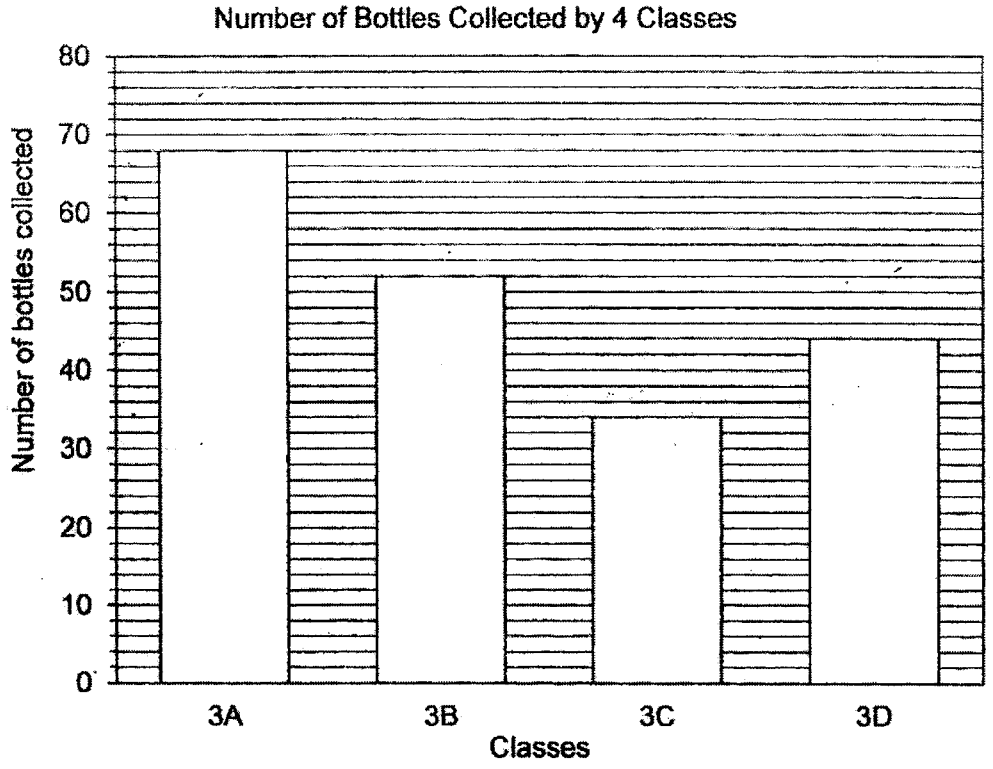

What is the total number of bottles collected by the 4 classes?

Ans: _____

(Go on to the next page)

26. The graph below shows the number of ice cream cones sold during the weekdays.

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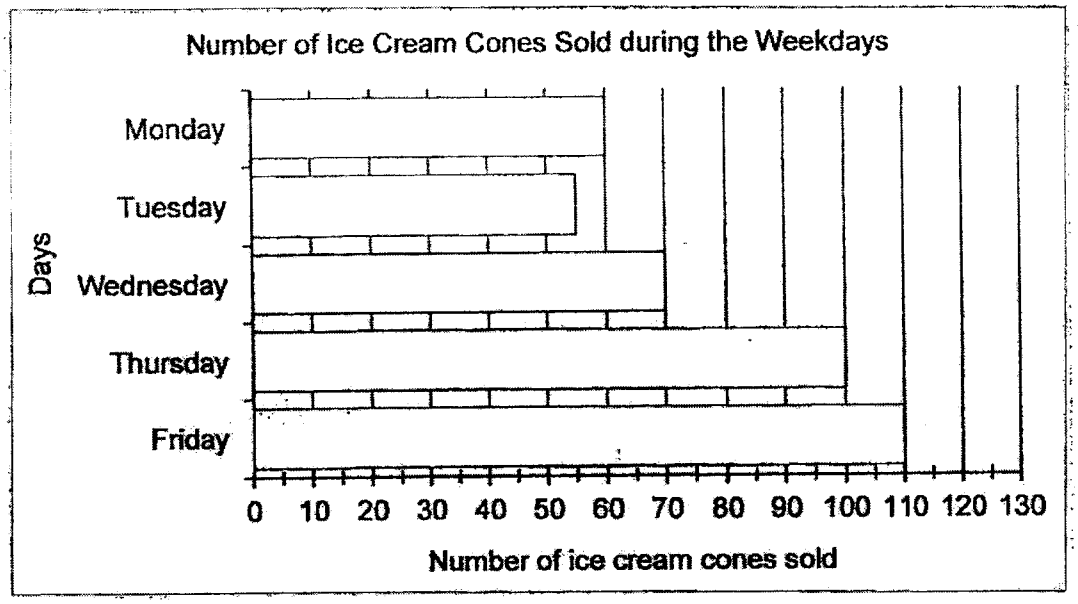

Which day has twice as many ice cream cones sold as on Tuesday?

Ans: _____

27. Devi started her swimming lesson at 10.30 a.m.
Her lesson lasted for 1 h 15 min.
What time did her swimming lesson end?

Ans: _____ a.m.

(Go on to the next page)

28. Sulin took 1 h 25 min to cycle from her home to the park. Then she took another 45 min to cycle from the park to the library. What was the total time taken for Sulin to cycle from her home to the library?

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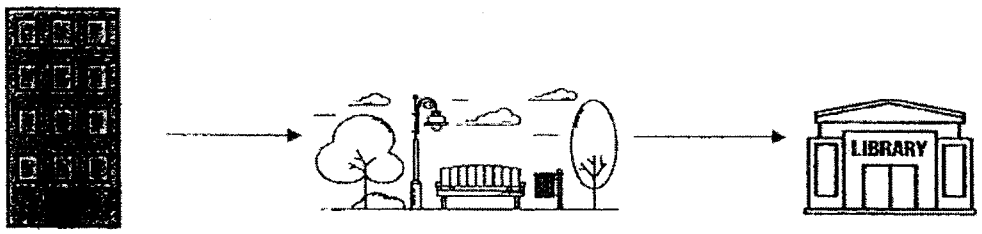


home park

Ans:_____ h_____min

29. What are the missing digits represented by (a) and (b)?

$$\begin{array}{rcccc} & 4 & 9 & 3 & \textbf{(a)} \\ + & 3 & 4 & \textbf{(b)} & 8 \\ \hline & 8 & 3 & 4 & 5 \end{array}$$

Ans: (a) _____

(b) _____

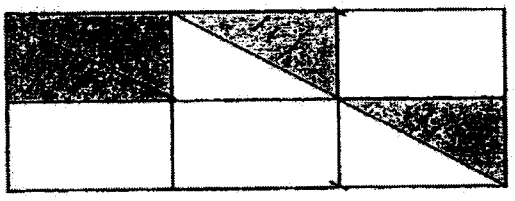
(Go on to the next page)

30. Lucy has 234 more beads than her sister.
How many beads must Lucy give to her sister so that both of them have the same number of beads?

Do not write in this space

Ans: _____

31. The figure below is made up of 6 identical rectangles.
What fraction of the figure is shaded? Give your answer in its simplest form.

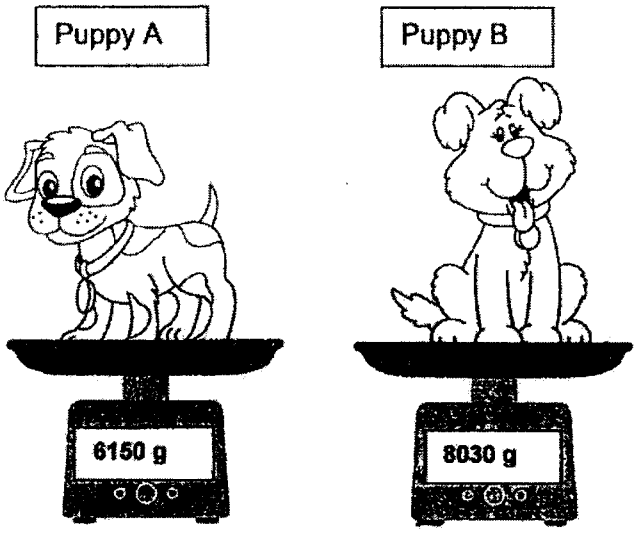


Ans: _____

(Go on to the next page)

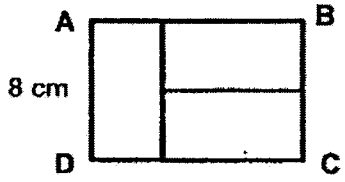
32. What is the difference in mass between the two puppies? Give your answer in kilograms and grams.

Do not write in this space



Ans: _____kg_____g

33. Figure ABCD is made up of 3 identical rectangles. If the length of AD is 8 cm, what is the area of ABCD?



Ans: _____ cm^2

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34. (a) In the grid below, draw a line parallel to AB through Point C.

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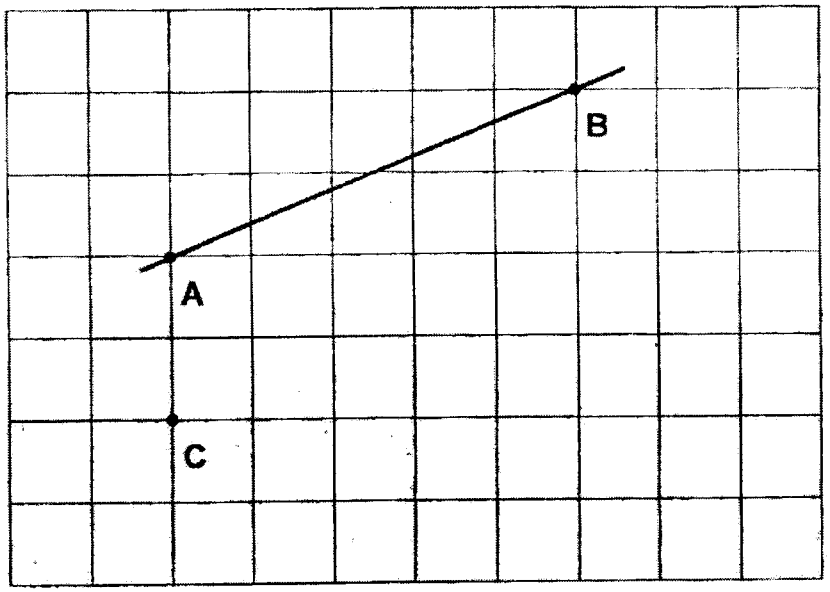
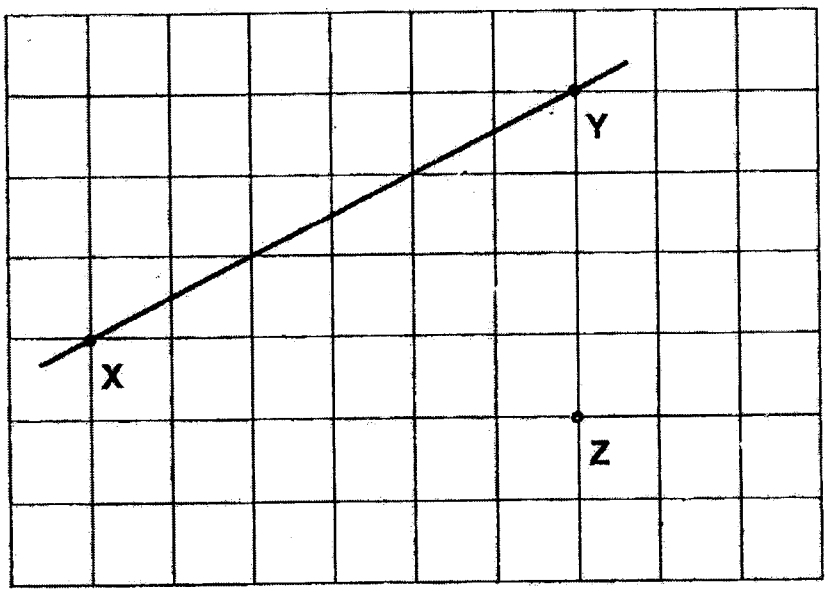


(b) In the grid below, draw a line perpendicular to XY through Point Z.



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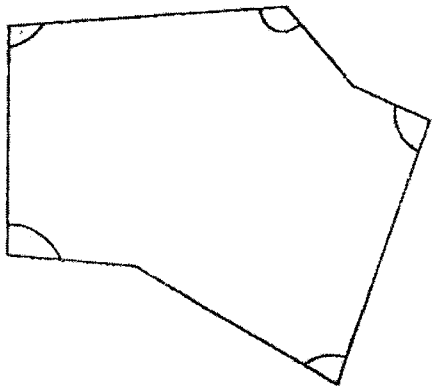
35. Study the following figure.



How many of the marked angles are obtuse angles?

Ans: _____

Do not write in this space

(Go on to the next page)

Section C

For Questions **36** to **40**, each question carries 4 marks. 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.

(20 marks)

36. Amanda prepared a few jugs of fruit punch for a party. After the guests drank 6 *l* 533 ml of fruit punch, there was 2 *l* 467 ml of fruit punch left. Each jug contained 3 *l* of fruit punch.

(a) What is the total volume of fruit punch prepared at the start of the party?

Ans: (a) _____ [2]

(b) How many jugs of fruit punch did she prepare?

Ans: (b) _____ [2]

37. Sarah spent $35.30 at a supermarket.
Belle spent $7.65 less than her.
How much did both of them spend in all?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

38. 3 square cards of the same size are placed together to form a large rectangle shown below.

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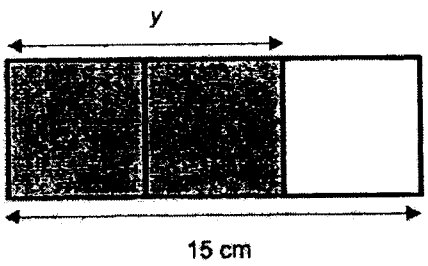
(a) Find the length of y.



Ans: (a) _____ [2]

(b) Find the area of the shaded parts of the rectangle.

Ans: (b) _____ [2]

(Go on to the next page)

39. Ray and Samy had 168 cupcakes.
After Ray had given 15 cupcakes to Samy, he had 2 times as many cupcakes as Samy.
How many cupcakes did Samy have at first?

Do not write in this space

Ans: _____ [4]

(Go on to the next page)

40. Mrs Tan has $244 to buy some apples to make some pies.
The apples are sold in packets of 8. Each packet costs $6.
What is the maximum number of apples can she buy?

Do not write in this space

Ans: _____ [4]

End of Paper

EXAM PAPER 2022
LEVEL : PRIMARY 3
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : EOY

BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7
2	3	4	2	1	3	2
Q8	Q9	Q10	Q11	Q12	Q13	Q14
4	2	1	2	1	2	3
Q15						
4						

BOOKLET B

Q16. 7532

Q17. 7968

Q18. 1131

Q19. 1002

Q20. $2.50

Q21. 1345

Q22. 7

Q23. 4581

Q24. a) 8

b) 16

Q25. 196

Q26. Friday

Q27. 11.45 pm.

Q28. 2 h 10 mins

Q29. a) 7

b) 0

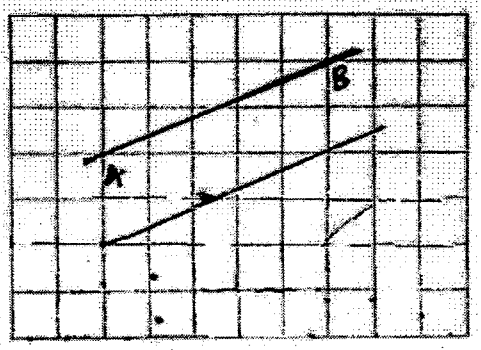
Q30. 117

Q31. $\frac{1}{3}$

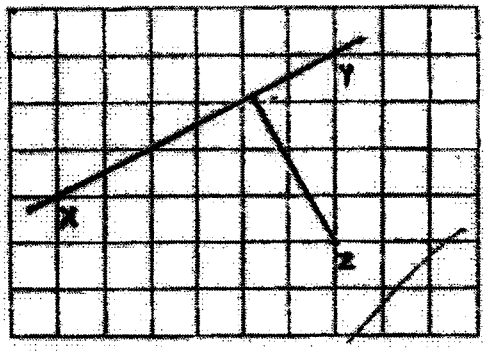
Q32. 1 kg 880 g

Q33. 96 cm^2

Q34. a)



b)



035. 4

Q36. a) 6533 + 2467 = 9000 mℓ

b) 9000 ÷ 3000 = 3

Q37. 35.30 - 7.65 = 27.65
35.30 + 27.65 = $62.95

Q38. a) 15 ÷ 3 = 5
5 x 2 = 10cm

b) 10 × 5 = 50 cm^2

Q39. 15 + 15 + 15 = 4

168 – 45 = 123

123 ÷ 3 = 41

Q40. 244 ÷ 6 = 40 R4

40 x 8 = 320

END