Rosyth School
SA1 Revision Paper 1
Mathematics
Primary 4

Name : _____ ( ) Total 100

Class : Pr 4 - _____ Duration: 1h 45 min

Date : _____ 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	30	
Section B	42	
Section C	28	
Total	100	

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

Section A (30 marks)

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 your answers on the Optical Answer Sheet. Each question carries 2 marks.

1. 70 000 + _____ ÷ 7 = 77 007

   (1) 7
   (2) 70
   (3) 700
   (4) 7000

2. Find the product of 217 and 14.

   (1) 1065
   (2) 1085
   (3) 3018
   (4) 3038

3. 1232 ÷ 4 = ☐

   What is the missing number in the box?

   (1) 38
   (2) 308
   (3) 3008
   (4) 4928

4. The figure below is made up of identical squares.

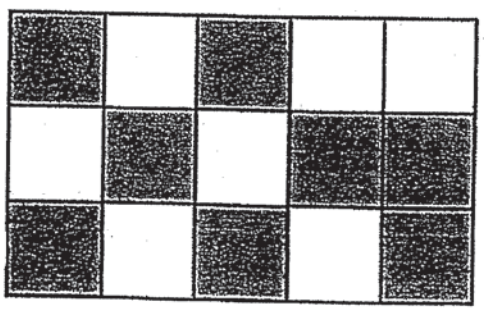
   What fraction of the figure is shaded?

   (1) $\frac{7}{8}$

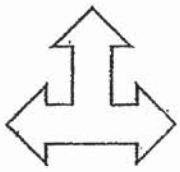
   (2) $\frac{7}{15}$

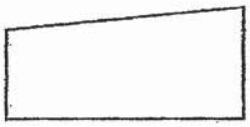
   (3) $\frac{8}{7}$

   (4) $\frac{8}{15}$

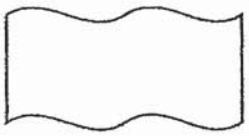


5. Which of the following is a symmetrical figure?

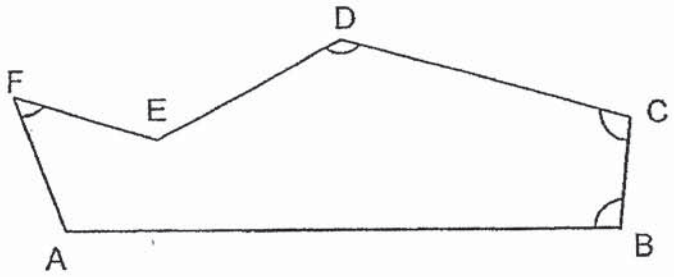
(1) 

(2) 

(3) 

(4) 

6. In the figure below, which angle is less than 90°?



(1) ∠ABC
(2) ∠BCD
(3) ∠AFE
(4) ∠CDE

7. Which of the following is not a factor of 18?

(1) 8
(2) 2
(3) 3
(4) 9

8. When a number is divided by 3, the quotient is 516 and the remainder is 2. What is the number?

(1) 172
(2) 1032
(3) 1548
(4) 1550

9. Which one of these fractions is smaller than 1?

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

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

(3) $\frac{7}{2}$

(4) $\frac{7}{6}$

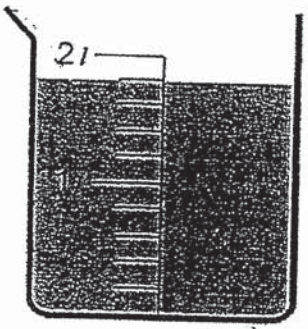
10. The volume of the water in the beaker below is _____.

(1) $\frac{9}{10}$ l

(2) $1\frac{4}{5}$ l

(3) $1\frac{5}{6}$ l

(4) $1\frac{9}{10}$ l

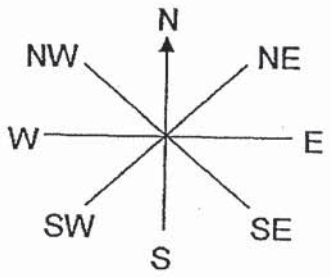


11. Which one of the following alphabets has more than one line of symmetry?

B	C	H	T

(1) B
(2) C
(3) H
(4) T

12. Peter is facing North-East. After he turns 90° clockwise, in which direction will he face?



(1) East
(2) South-East
(3) North
(4) North-West

13. A number when rounded to the nearest ten is 4000. What is the number?

(1) 3994
(2) 3998
(3) 4005
(4) 4090

14. There are some students in a hall. The students can be arranged in groups of 6 or 8 without any remainder. How many students are there in the hall?

(1) 32
(2) 66
(3) 68
(4) 72

15. One alarm clock will ring every 3 hours while another alarm clock will ring every 6 hours. If both alarm clocks ring at the same time at 1 p.m., when will be next earliest time they will ring together again?

(1) 7 p.m.
(2) 9 p.m.
(3) 6 p.m.
(4) 4 p.m.

Section B (42 marks)

Questions **16** to **36** carry 2 marks each. Write your answers in the spaces provided. Show your workings clearly. For questions which require units, give your answers in the units stated.

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

Do not write in this space

16. What number is 100 more than 9958?

Ans: _____

17. Round off 17 499 to the nearest thousand.

Ans: _____

18. What is the remainder when you divide 256 by 7?

Ans: _____

19. The mass of a computer is 1432 g. What is the total mass of 2 such computers?

Ans: _____ g

20. Fill in the numbers in the boxes to express each of the whole numbers below as an improper fraction.

a) $2 = \frac{\square}{3}$

b) $3 = \frac{\square}{8}$

Ans: (a) _____

(b) _____

Do not write in this space

21. Rosy had 38 buttons in a box. How many buttons will she have in 20 similar boxes?

Ans: _____

22. Express $3\frac{4}{7}$ as an improper fraction.

Ans: _____

23. Find the value of $\frac{3}{4} - \frac{1}{6}$ in its simplest form.

Ans: _____

24. Find the value of $\frac{2}{9}+\frac{5}{9}+\frac{8}{9}$.

Express your answer as a mixed number in its simplest form.

Do not write in this space

Ans: _____

25. Arrange the following fractions from the smallest to the largest:

$$\frac{1}{2}, \quad \frac{5}{6}, \quad \frac{1}{3}$$

Ans: _____, _____, _____
smallest

26. Fill in the missing numbers.

	(a)			
11 704	11 804	11 904	(b)	12 104
	11 814			
	11 824			

27. Form the smallest 5-digit even number with all the given digits below.

4	2	7	9	0

Ans: _____

Do not write in this space

28. Kai Ting has 139 fishballs. She puts the fishballs onto some sticks.
Each stick can hold 4 fishballs.
What is the least number of sticks she needed to put all the fishballs?

Ans: _____

29. 3 pens cost $6. Mrs Chew bought 42 pens for her students. How much did she pay altogether?

Ans: $ _____

30. Alex bought 16 marbles. 4 of the marbles were blue.
What fraction of the marbles were not blue?
Express your answer in its simplest form.

Ans: _____

31. $\frac{3}{5}$ of a number is 15. What is the number?

Do not write in this space

Ans: _____

32. A jug was filled with 3 l of juice. Bob drank $\frac{2}{3}$ l of it.

How much juice was left in the jug?

Express your answer as a fraction in its simplest form.

Ans: _____ l

33. Esta had 20 balloons. She burst $\frac{4}{5}$ of them.

How many balloons did she burst?

Ans: _____

34. There are 6 shaded squares in the figure. Shade two more squares to form a symmetric figure with AB as the line of symmetry.

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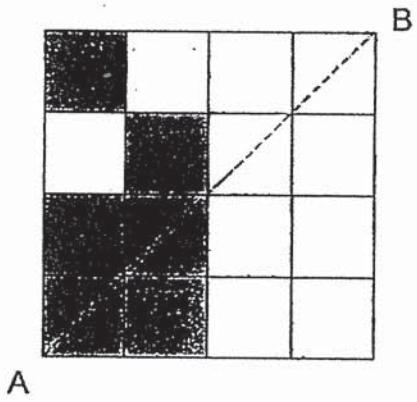
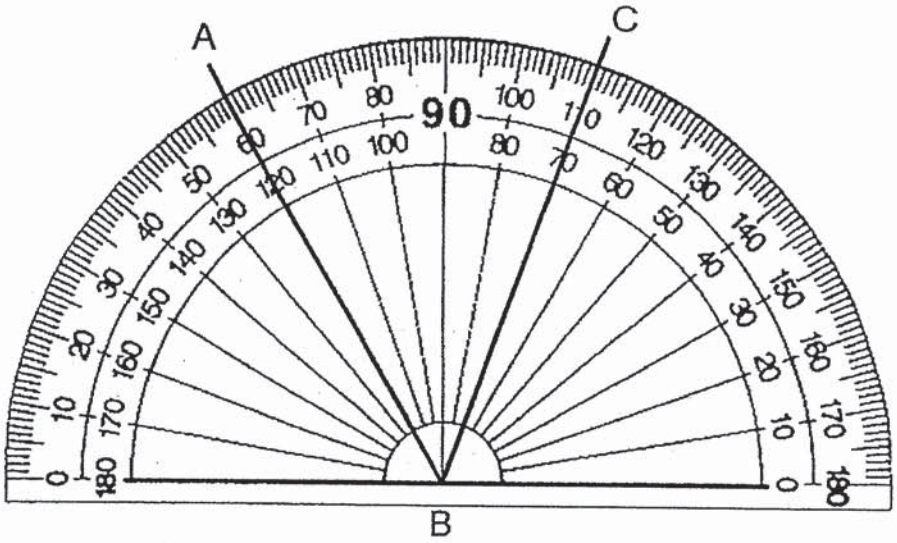


35. Write down the size of ∠ABC.



Ans: _____ °

36. $\frac{5}{8}$ of a container is filled with pasta. Melissa can put in another 120 g of pasta to fill up the container completely. How much pasta can the container hold?

Do not write in this space

Ans: _____g

Section C (28 marks)

Questions **37** to **40** carry 3 marks each. Questions **41** to **44** 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

37. Study the figures below.

(a) Put a tick in the box if the dotted line is a line of symmetry. [1]

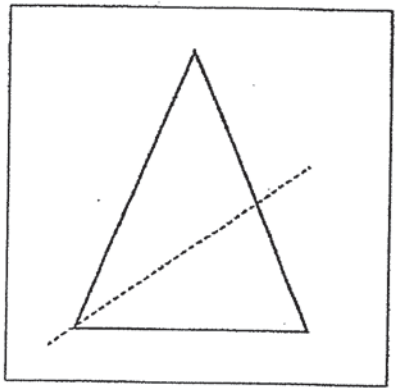


Figure J ☐

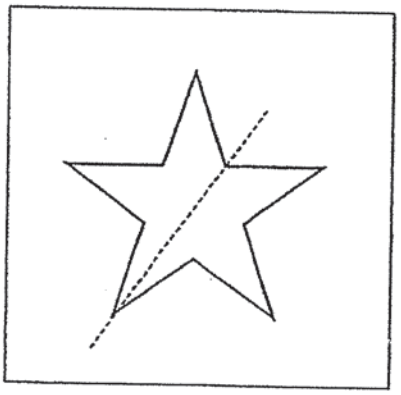
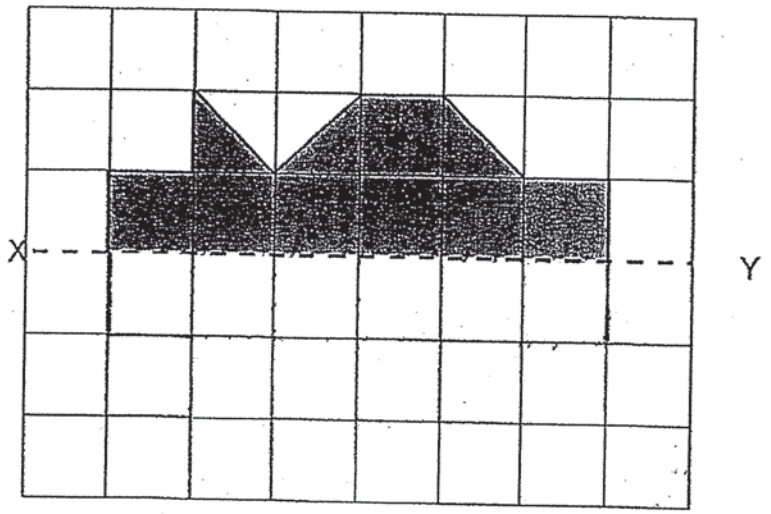


Figure K ☐

(b) Complete the figure below with XY as the line of symmetry. [2]



38. Samantha had $\frac{1}{2}$ kg of berries at first. $\frac{1}{5}$ kg of the berries were rotten.

She needed 2 kg of berries to bake a cake.

How many more kilograms of berries did Samantha need to buy?

Do not write in this space

Ans: _____ [3]

39. Ethan wants to pack 36 pencils and 27 rulers into goodie bags. Each item is packed equally into the goodie bags. What is the greatest number of goodie bags that Ethan can pack?

Do not write in this space

Ans: _____ [3]

40. Adelene had three times as many marbles as Betty. After Adelene had given Betty 25 marbles, they had the same number of marbles each. How many marbles did they have altogether?

Do not write in this space

Ans: _____ [3]

41. Annie and Sarah had the same number of stickers at first. After Annie had bought 38 stickers and Sarah had lost 25 stickers, Annie had 4 times as many stickers as Sarah. How many stickers did each girl have at first?

Do not write in this space

Ans: _____ [4]

42. A farmer had four times as many apples as oranges.
After he had sold 175 apples, he had twice as many oranges as apples.
How many apples did he have at first?

Do not write in this space

Ans: _____ [4]

43. Belinda had thrice as many sweets as Wanli at first. After Wanli had given away 8 sweets, Belinda had 5 times as many sweets as Wanli. How many sweets did Belinda have?

Do not write in this space

Ans: _____ [4]

44. Mrs Rani baked some muffins. She sold $\frac{3}{8}$ of the muffins in the morning and $\frac{1}{4}$ of them in the afternoon. She had 15 muffins left.

a) What fraction of the muffins had she left?

b) How many muffins did she bake in total?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

End of paper

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : SA1

SECTION A

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

SECTION B

Q16) 10058

Q17) 17000

Q18) 4

Q19) 2864

Q20a) 6

Q20b)

Q21) 760

Q22) $\frac{25}{7}$

Q23) $\frac{7}{12}$

Q24) $1\frac{2}{3}$

Q25) $\frac{1}{3}, \frac{1}{2}, \frac{5}{6}$

Q26a) 11794

Q26b) 12004

Q27) 20794

Q28) 35

Q29) 84

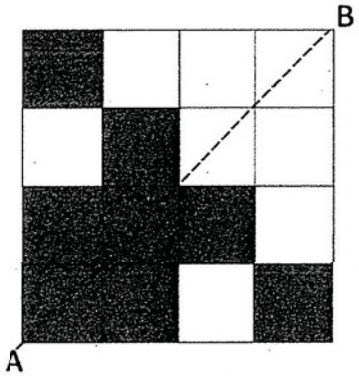
Q30) $\frac{3}{4}$

Q31) 25

Q32) $2\frac{1}{3}$

Q33) 16

Q34)



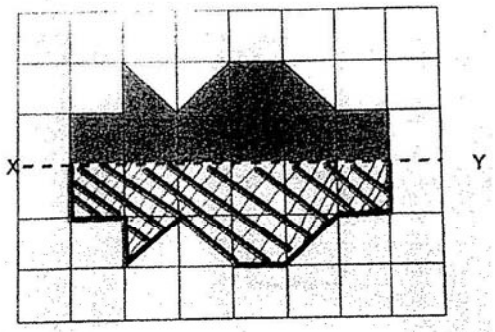
Q35) 50°

Q36) 320g

SECTION C

Q37a) Figure K

Q37b)



Q38) $\frac{1}{2} - \frac{1}{5} = \frac{3}{10}$

$2 - \frac{3}{10} = 1\frac{7}{10}$kg

Q39) Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 16

Factors of 27: 1, 3, 9, 27

Common factor: 9

Q40) 1 unit → 25

4 units → 100 marbles

Q41) 3 [illegible] → 38 + 25 = 63

1 unit → 21 stickers

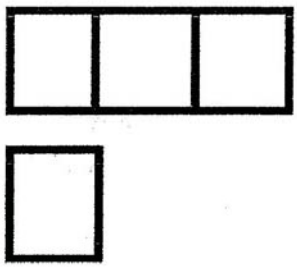
Q42) 3.5 units → 175

1 unit → 50

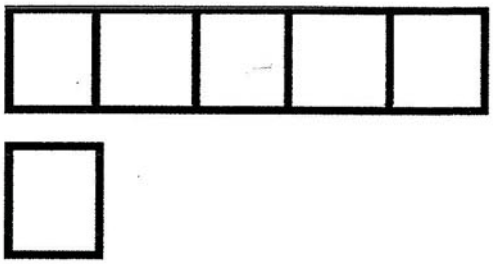
4 units → <u>200 apples</u>

Q43)

Before



After



Difference after giving away 8 sweets → 2 units.
Hence 2u → 8
8 x 3 = <u>12</u>

Q44a) $1 - \frac{3}{8} - \frac{1}{4} = \frac{3}{8}$ **muffins**

Q44b) 3 units → 15

8 units → <u>40 muffins</u>