Rosyth School
Mid-Year Examination 2021
Mathematics
Primary 4

Name : _____ ( ) Total ___/100

Class : Pr 4 - Duration: 1h 45 min

Date : 10 May 2021 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 24 printed pages altogether (including the cover page).

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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.

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

1. In which of the following numbers does the digit 4 stand for 400?

   (1) 4695
   (2) 5314
   (3) 6240
   (4) 7489

2. What is the remainder when 8324 ÷ 7?

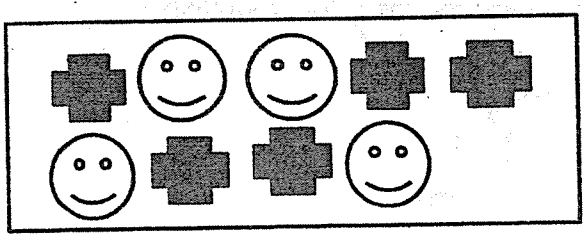
   (1) 1
   (2) 2
   (3) 3
   (4) 4

3. 234 x 5 = _____

   (1) 1050
   (2) 1070
   (3) 1150
   (4) 1170

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4. What fraction of the shapes in the box are  ?



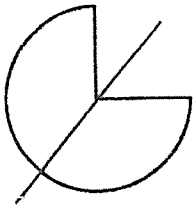
(1) $\frac{4}{9}$

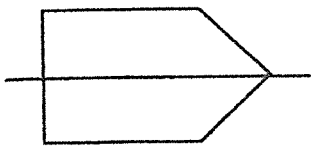
(2) $\frac{5}{9}$

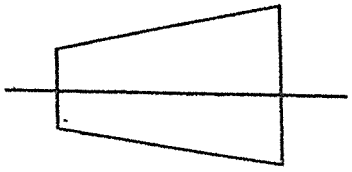
(3) $\frac{4}{5}$

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

5. Which of the following figure is not symmetrical?

(1) 

(2) 

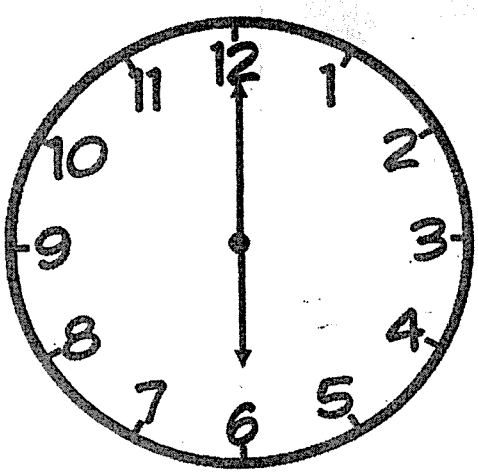
(3) 

(4) 

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6. The time now is 6 p.m.

What time will it be if the minute hand moves $\frac{1}{2}$ turn clockwise?



(1) 5.30 p.m.
(2) 6.15 p.m.
(3) 6.30 p.m.
(4) 7.30 p.m.

7. _____ is a common factor of 14 and 35.

(1) 7
(2) 2
(3) 14
(4) 35

8. Isa has $3210. Jim has three times as much as Isa. How much do they have altogether?

(1) $1070
(2) $3240
(3) $9630
(4) $12 840

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9. How many one-fifths are there in 3 wholes?

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

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

(3) 8

(4) 15

10. Mrs Tan bought $\frac{1}{3}$ kg of flour and Mrs Lee bought $\frac{1}{4}$ kg of flour. How much flour did they buy altogether?

(1) $\frac{1}{12}$ kg

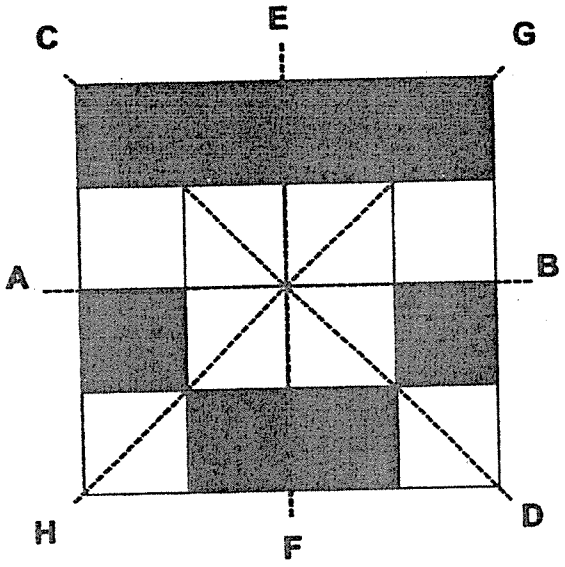
(2) $\frac{2}{7}$ kg

(3) $\frac{7}{12}$ kg

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

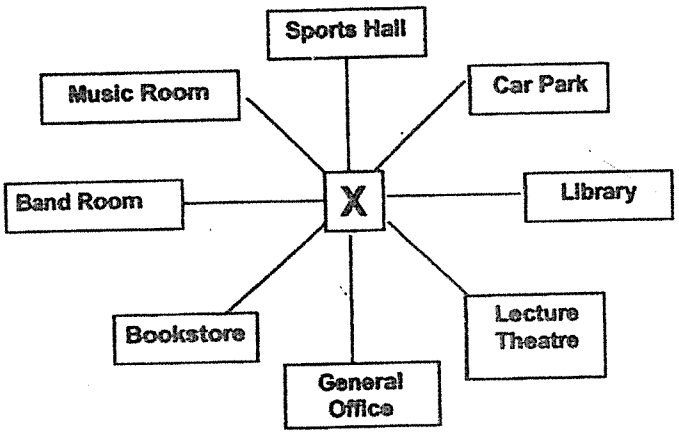
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11. Which is the line of symmetry for the figure below?



(1) Line AB
(2) Line CD
(3) Line EF
(4) Line GH

12. Muthu is standing at point X and is facing the library.
He turns in an anti-clockwise direction and ends up facing the general office.
What is the angle of his turn?



(1) 45°
(2) 90°
(3) 180°
(4) 270°

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13. I am a multiple of 4.
The digit in the ones place stands for 8.
The digit in the tens place is 4 times the digit in the hundreds place.
The digit 2 is in the thousands place
What number am I?

(1) 2148
(2) 2418
(3) 8142
(4) 8241

14. 10 cones were placed at an equal distance apart in a straight line.
The distance between the first and fourth cone is 36 m.
Find the total distance between the first and last cone.

(1) 9 m
(2) 12 m
(3) 108 m
(4) 120 m

15. There were 54 biscuits in a tin.
Both Peter and his brother ate $\frac{1}{3}$ of the biscuits. Peter ate two times as many biscuits as his brother. How many biscuits did Peter eat?

(1) 6
(2) 12
(3) 18
(4) 36

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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.

Do not write in this space

16. 72 039 = 70 000 + 2000 + _____ + 9

What is the missing number?

Ans: _____

17. Round 46 909 to the nearest hundred.

Ans: _____

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18. Find the missing digit in the box.

Do not write in this space

$$\begin{array}{r} 1\ 3\ 5\ 7 \\ \times\quad\quad 6 \\ \hline 8\ \boxed{?}\ 4\ 2 \\ \hline \end{array}$$

Ans: _____

19. Find the product of 349 and 62.

Ans: _____

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20. What is the quotient when 6473 is divided by 9?

Do not write in this space

Ans: _____

21. Write $\frac{17}{3}$ as a mixed number.

Ans: _____

22. Arrange $\frac{9}{6}$, $1\frac{1}{6}$ and $\frac{2}{3}$ in increasing order.

Ans: _____, _____, _____
(smallest) (greatest)

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23. Find the value of $5 - \frac{2}{3}$

Give your answer as a mixed number in the simplest form.

Do not write in this space

Ans: _____

24. Find the value of $\frac{2}{5}$ of 55.

Ans: _____

25. A number is 12 000 when rounded to the nearest thousand. What is the greatest possible value of the number?

Ans: _____

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26. What is the second common multiple of 3 and 5?

Do not write in this space

Ans: _____

27. A shirt and 3 pairs of pants cost $295. The shirt costs twice as much as each pair of pants. How much does a pair of pants cost?

Ans: $_____

28. Dave and Eva had an equal number of beads. After Eva gave 39 beads to Dave, how many more beads did Dave have than Eva?

Ans: _____

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29. There are 240 tarts in a box. $\frac{5}{8}$ of them are mango tarts and the rest of them are durian tarts. How many durian tarts are there?

Do not write in this space

Ans: _____

30. Fiona had some stickers. She gave $\frac{4}{9}$ of the stickers to her cousin. If she had given her cousin 32 stickers, how many stickers did she have at first?

Ans: _____

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31. Mrs Tan had $\frac{5}{6}$ m of ribbon. She cut away $\frac{1}{2}$ m. What is the length of the ribbon left? Give your answer as a fraction in its simplest form.

Do not write in this space

Ans: _____m

32. Zainul bought 16 curry puffs. He ate 3 curry puffs and gave 7 curry puffs to his friends. What fraction of the curry puffs had he left? Give your answer in its simplest form.

Ans: _____

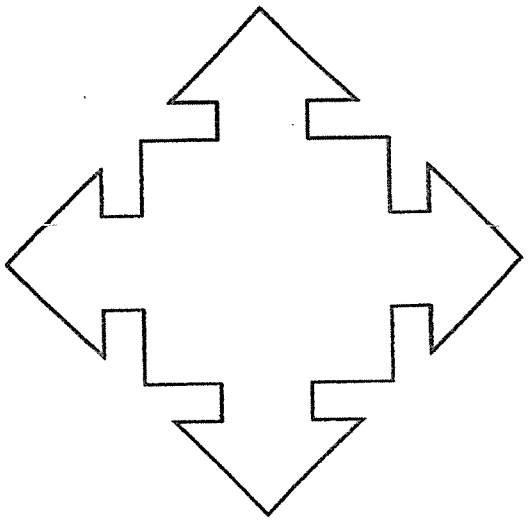
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33. Tom had $360. He gave $\frac{2}{9}$ of it to charity. How much money had he left?

Do not write in this space

Ans: $ _____

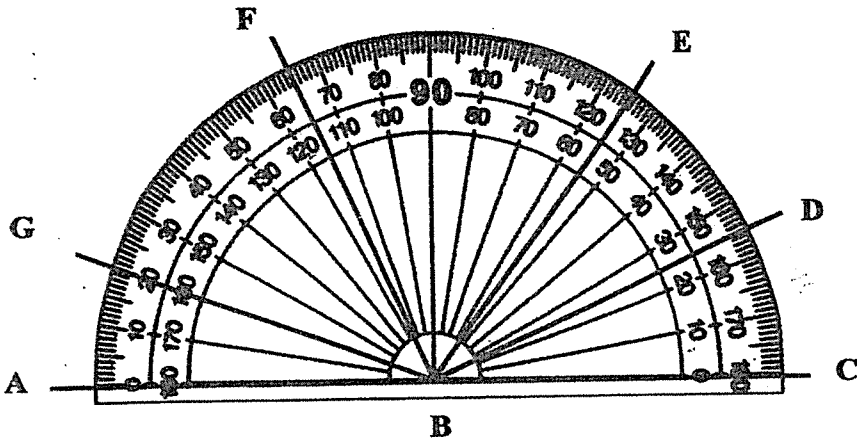
34. How many line(s) of symmetry are there in the figure below?



Ans: _____

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35. Name the angle that is equal to 55°.



Ans: _____

Do not write in this space

36. James had 1 kg of sugar. He used $\frac{3}{8}$ kg of it to make some cookies and $\frac{1}{4}$ kg of it to make cupcakes. How much sugar had he left?

Ans: _____ kg

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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. The difference between two numbers is 5052. The greater number is four times the smaller number. What is the greater number?

Ans: _____ [3]

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38. Boon Wei saved $3270 in the past 11 months. He saved $204 each month in the first 5 months. He saved the same amount each month for the last 6 months. How much did he save each month in the last 6 months?

Do not write in this space

Ans: _____ [3]

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39. Study the figures below.

(a) Put a ✓ in the box if the figure is symmetric. [1]

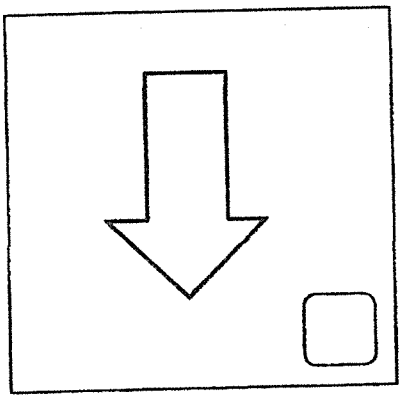


Figure A

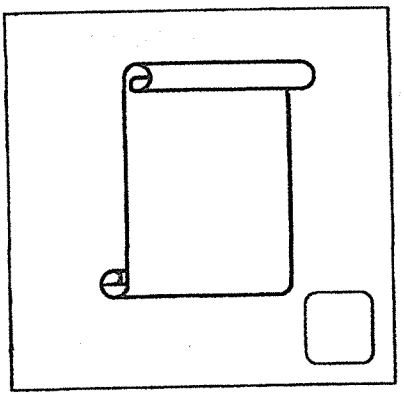
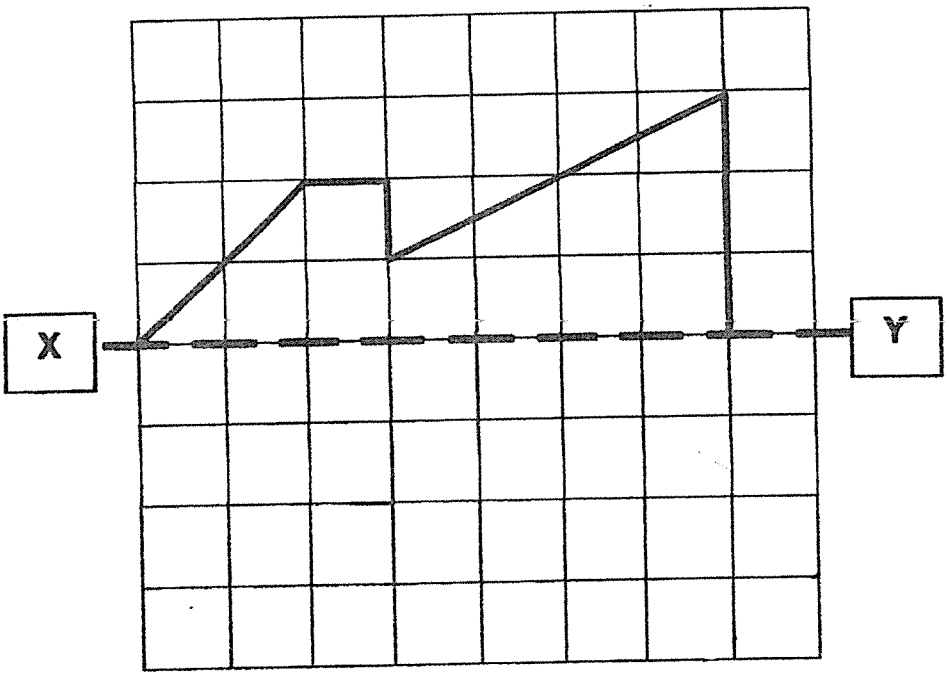


Figure B

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



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40. There were two containers, A and B, which contained some sugar. There was $\frac{3}{5}$ kg of sugar in Container A. There was $\frac{1}{3}$ kg more sugar in Container A than Container B. What was the total amount of sugar in both containers?

Do not write in this space

Ans: _____

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41. There were some beads in a box. $\frac{1}{5}$ of the beads were red, $\frac{7}{10}$ of them were blue and the rest were yellow.

(a) What fraction of the beads were yellow?

(b) If there were 45 yellow beads, how many red and blue beads were there altogether?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

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42. Ali and David have a total of 196 coins. Ali and Susan have a total of 676 coins. Susan has five times as many coins as David. How many coins does Ali have?

Do not write in this space

_____ [4]

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43. Ken had 450 more bookmarks than Lynn. After Lynn gave away 39 bookmarks, Ken had four times as many bookmarks as Lynn. How many bookmarks did Ken have?

Do not write in this space

Ans: _____ [4]

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44. Timmy wanted to buy some pizzas and ice-cream for a party. One pizza cost $30 more than a tub of ice-cream. If Timmy bought 2 pizzas and 3 tubs of ice cream for $110, what was the cost of a pizza?

Do not write in this space

Ans: _____

End of paper

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ANSWER KEY

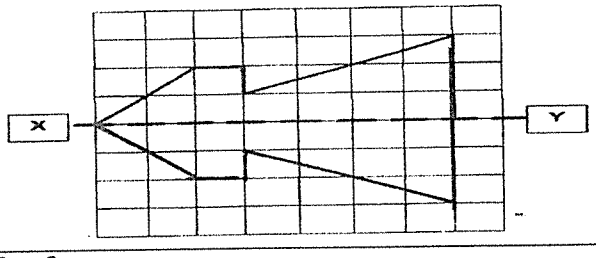
YEAR : 2021
LEVEL : PRIMARY 4
SCHOOL : ROYSTH SCHOOL
SUBJECT : MATHEMATICS
TERM : MID-YEAR EXAMINATION

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

Q16	30
Q17	46900
Q18	1
Q19	21638
Q20	719
Q21	$5\frac{2}{3}$
Q22	$\frac{2}{3}, 1\frac{1}{6}, \frac{9}{6}$
Q23	$4\frac{1}{3}$
Q24	55÷5=11 11×2=22
Q25	12499
Q26	30
Q27	$59
Q28	78
Q29	240÷8=30 30×3=90
Q30	32÷4=8 8×9=72
Q31	$\frac{5}{6}=\frac{10}{12}$ $\frac{1}{2}=\frac{6}{12}$ $\frac{10}{12}-\frac{6}{12}=\frac{4}{12}$ $\frac{4}{12}=\frac{1}{3}$m
Q32	16−3−7=6 $\frac{6}{16}=\frac{3}{8}$
Q33	9u ⇒ 360 1u ⇒ 360÷9=40 7u ⇒ 40×7=$280

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Q34	4
Q35	∠CBF
Q36	$\frac{1}{4}=\frac{2}{8}$ $\frac{3}{8}+\frac{2}{8}=\frac{5}{8}$ $1-\frac{5}{8}=\frac{3}{8}$kg
Q37	3u➔5052 1u➔5052÷3=1684 greater number➔1684×4=6736
Q38	204×5=1020 6m➔3270−1020=2250 1m➔2250÷6=$375
Q39	a) Figure A☑ b) 
Q40	$\frac{3}{5}=\frac{9}{15}$ $\frac{1}{3}=\frac{5}{15}$ $\frac{9}{15}-\frac{5}{15}=\frac{4}{15}$ $\frac{9}{15}+\frac{4}{15}=\frac{13}{15}$kg
Q41	$\frac{1}{5}=\frac{2}{10}$ $\frac{7}{10}+\frac{2}{10}=\frac{9}{10}$ $1-\frac{9}{10}=\frac{1}{10}$ (a) 45×9=405 a) $\frac{1}{10}$ b)405 beads
Q42	4u➔676−196=480 1u➔480÷4=120 A➔196−120=76
Q43	3u➔450+39=489 1u➔489÷3=163 Ken➔163+39+450=652
Q44	30×2=60 5u➔110−60=50 1u➔50÷5=10 P➔10+30=$40

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