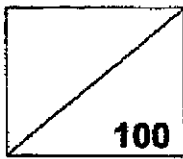


SA1



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

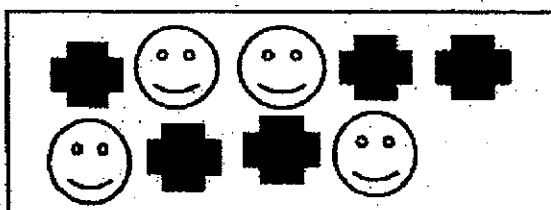
2. What is the remainder when $8324 \div 7$?

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

3. $234 \times 5 =$ _____

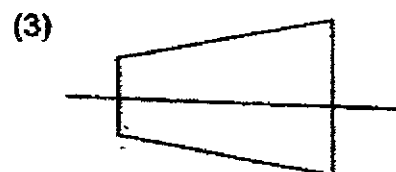
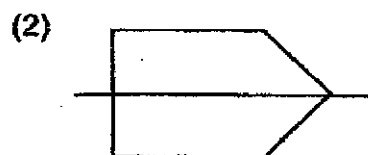
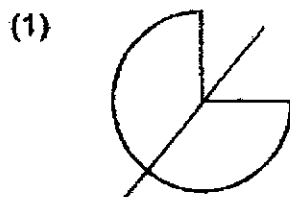
- (1) 1050
- (2) 1070
- (3) 1150
- (4) 1170

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



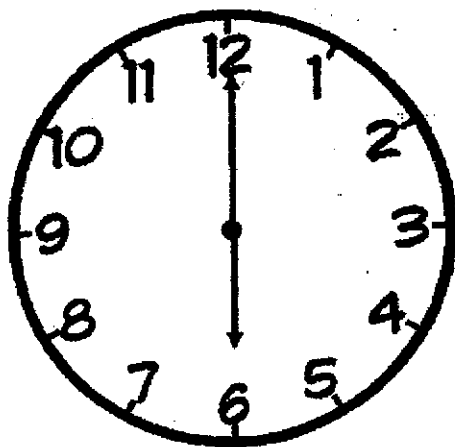
- (1) $\frac{4}{9}$
 (2) $\frac{5}{9}$
 (3) $\frac{4}{5}$
 (4) $\frac{5}{4}$

5. Which of the following figure is not symmetrical?



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

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?

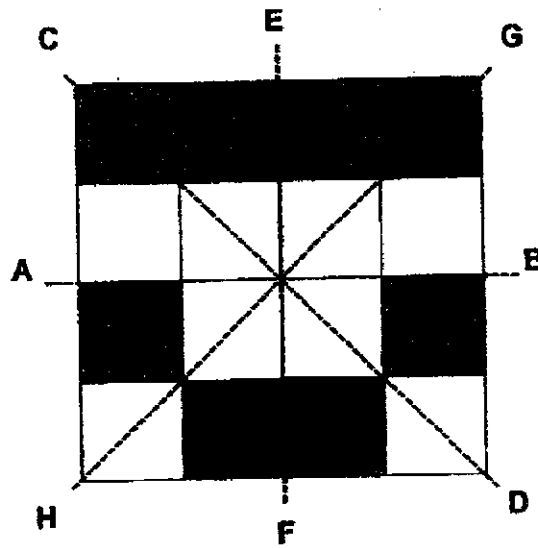
(1) $\frac{1}{12}$ kg

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

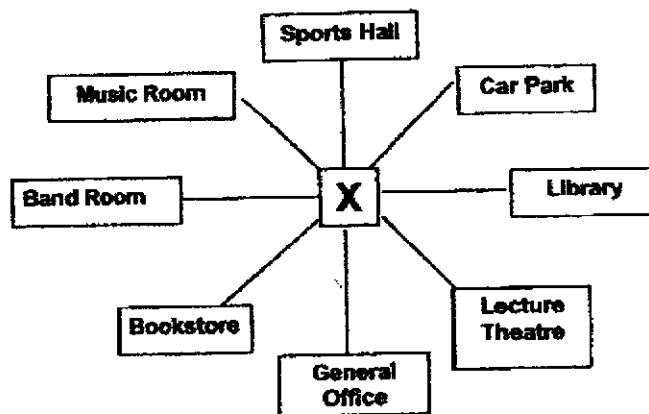
(3) $\frac{7}{12}$ kg

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

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°

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

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.

16. $72\,039 = 70\,000 + 2000 + \underline{\hspace{2cm}} + 9$

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.

$$\begin{array}{r}
 1357 \\
 \times \quad 6 \\
 \hline
 8 \boxed{?} 42 \\
 \hline
 \end{array}$$

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Ans: _____

19. Find the product of 349 and 62.

Ans: _____

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

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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)

23. Find the value of $5 - \frac{2}{3}$.
Give your answer as a mixed number in the simplest form.

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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: _____

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

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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: _____

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?

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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: _____

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.

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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.

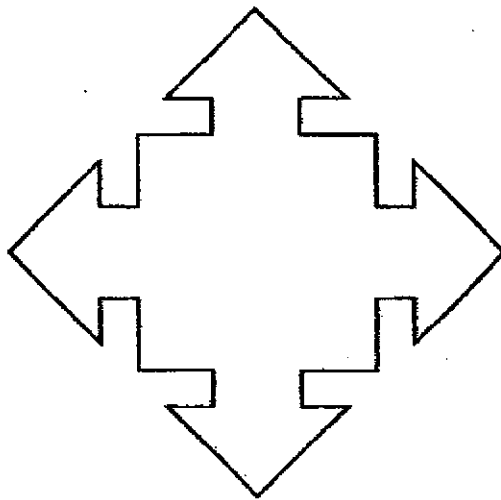
Ans: _____

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

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Ans: \$ _____

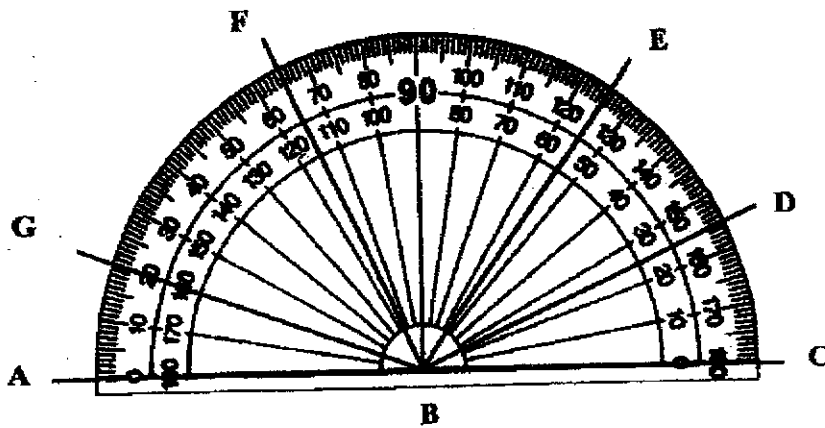
34. How many line(s) of symmetry are there in the figure below?



Ans: _____

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

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Ans: _____

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

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.

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

Ans: _____ [3]

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?

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Ans: _____ [3]

39. Study the figures below.

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

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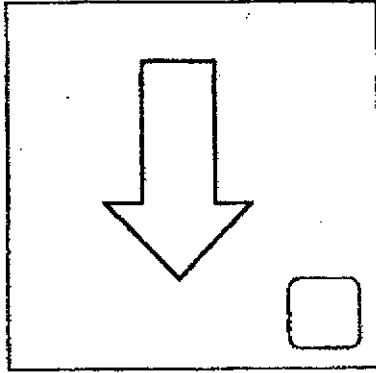


Figure A

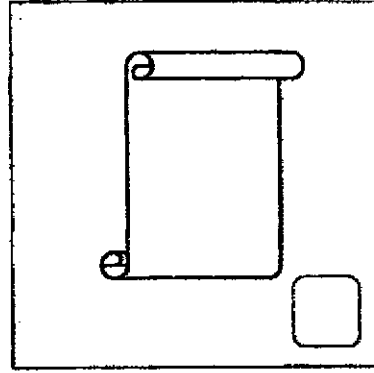
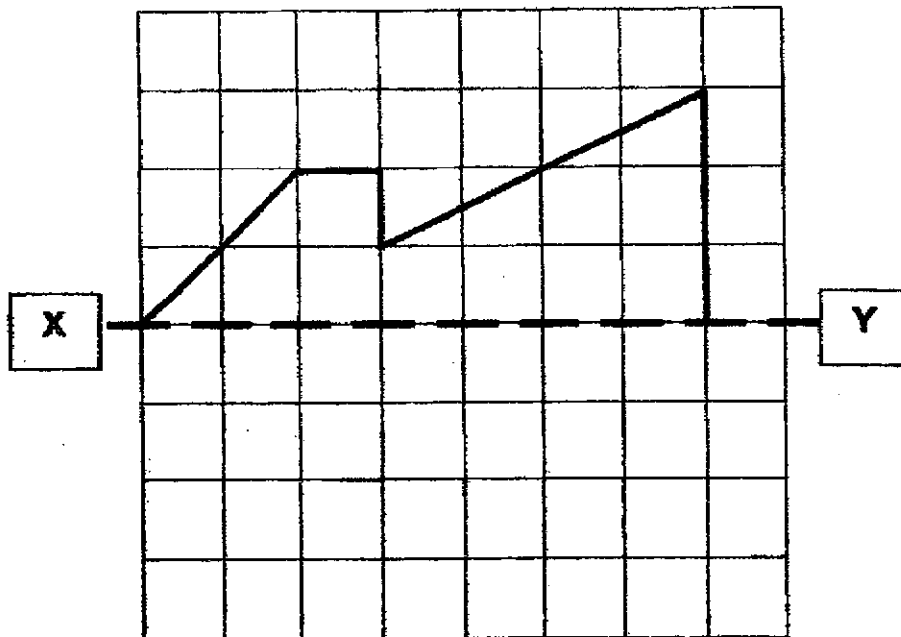


Figure B

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



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?

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Ans: _____



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.

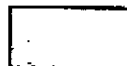
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(a) What fraction of the beads were yellow?

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

Ans: (a) _____ [2]

(b) _____ [2]



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?

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_____ [4]

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?

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Ans: _____ [4]

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?

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Ans: _____

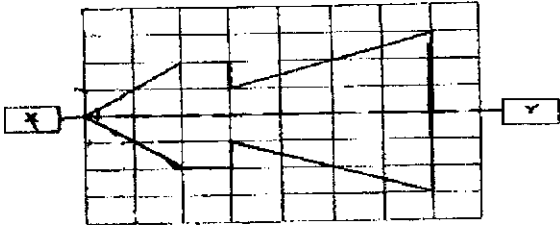
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ANSWER KEY

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	$55 \div 5 = 11$ $11 \times 2 = 22$
Q25	12499
Q26	30
Q27	\$59
Q28	78
Q29	$240 \div 8 = 30$ $30 \times 3 = 90$
Q30	$32 \div 4 = 8$ $8 \times 9 = 72$
Q31	$\frac{5}{6} = \frac{10}{12}$ $\frac{1}{2} = \frac{6}{12}$ $\frac{10}{12} - \frac{6}{12} = \frac{4}{12}$ $\frac{4}{12} = \frac{1}{3}$ $\frac{1}{3} = m$
Q32	$16 - 3 - 7 = 6$ $\frac{6}{16} = \frac{3}{8}$
Q33	$9u \rightarrow 360$ $1u \rightarrow 360 \div 9 = 40$ $7u \rightarrow 40 \times 7 = \280

Q34	4
Q35	$\angle CBF$
Q36	$\begin{array}{r} 1\frac{2}{4} = \frac{2}{8} \\ 3\frac{1}{2} = \frac{15}{8} \\ \hline 1\frac{5}{8} = \frac{13}{8} \text{ kg} \end{array}$
Q37	$3u \rightarrow 5052$ $1u \rightarrow 5052 \div 3 = 1684$ greater number $\rightarrow 1684 \times 4 = 6736$
Q38	$204 \times 5 = 1020$ $6m \rightarrow 3270 - 1020 = 2250$ $1m \rightarrow 2250 \div 6 = \375
Q39	a) Figure A ☒ b) 
Q40	$\begin{array}{r} \frac{3}{5} = \frac{9}{15} \\ \frac{1}{5} = \frac{3}{15} \\ \hline \frac{4}{5} = \frac{12}{15} \\ \frac{9}{15} + \frac{4}{5} = \frac{13}{5} \text{ kg} \end{array}$
Q41	$\frac{1}{5} = \frac{2}{10}$ $\frac{7}{10} + \frac{2}{10} = \frac{9}{10}$ $1 - \frac{9}{10} = \frac{1}{10} \text{ (a)}$ $45 \times 9 = 405$ a) $\frac{1}{10}$ b) 405 beads
Q42	$4u \rightarrow 676 - 196 = 480$ $1u \rightarrow 480 \div 4 = 120$ $A \rightarrow 196 - 120 = 76$
Q43	$3u \rightarrow 450 + 39 = 489$ $1u \rightarrow 489 \div 3 = 163$ Ken $\rightarrow 163 + 39 + 450 = 652$
Q44	$30 \times 2 = 60$ $5u \rightarrow 110 - 60 = 50$ $1u \rightarrow 50 \div 5 = 10$ $P \rightarrow 10 + 30 = \40