Rosyth School
Mid – Year Examination 2019
MATHEMATICS
Primary 4

Name : _____ ( ) Total 100

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

Date : 15 May 2019 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 20 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.

1. What is fourteen thousand and sixty in numerals?

   (1) 1406
   (2) 1460
   (3) 14 060
   (4) 14 600

2. In 30 721, the digit 2 is in the _____ place.

   (1) tens
   (2) hundreds
   (3) thousands
   (4) ten thousands

3. 8 is a common factor of _____ .

   (1) 2 and 4
   (2) 4 and 8
   (3) 8 and 24
   (4) 16 and 28

4. What is the remainder when 5897 is divided by 5?

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

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5. Find the product of 3204 and 2.

(1) 162
(2) 1602
(3) 6408
(4) 6428

6. 420 x 30 = _____

(1) 126
(2) 1260
(3) 12600
(4) 12660

7. When a number is divided by 4, it has a quotient of 308 and a remainder of 2. What is the number?

(1) 77
(2) 154
(3) 620
(4) 1234

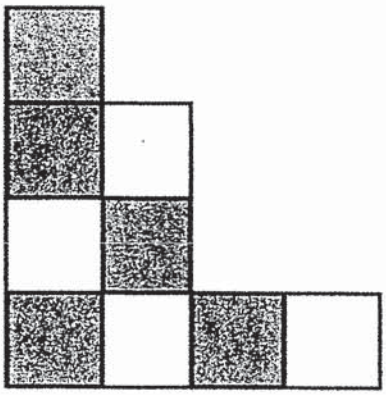
8. The figure below is made up of identical squares.
What fraction of the figure is shaded?

(1) $\frac{5}{10}$

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

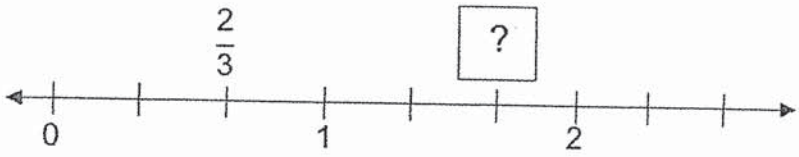
(3) $\frac{4}{9}$

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



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9. What is the missing improper fraction in the diagram below?



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

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

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

(4) $\frac{9}{3}$

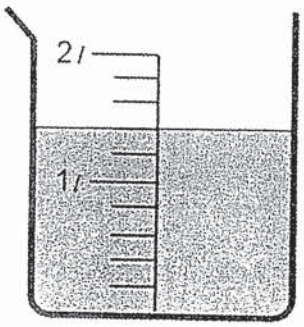
10. The volume of the water in the beaker below is _____.

(1) $\frac{7}{10}\ l$

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

(3) $1\frac{7}{5}\ l$

(4) $1\frac{7}{10}\ l$



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11. Mrs Lim mixed $\frac{4}{5}$ kg of flour and $\frac{1}{2}$ kg of sugar. What was the mass of the mixture?

(1) $\frac{5}{7}$ kg

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

(3) $\frac{1}{10}$ kg

(4) $1\frac{3}{10}$ kg

12. Which of these letters has two lines of symmetry?

(1) X

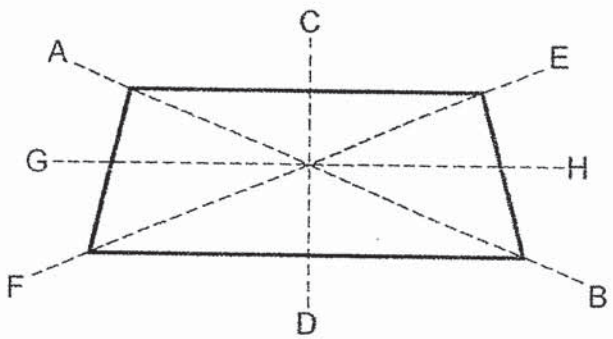
(2) A

(3) L

(4) E

13. Line _____ represents the line of symmetry of the figure.

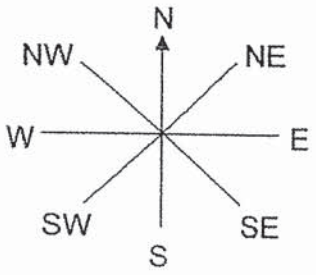
(1) AB
(2) CD
(3) EF
(4) GH



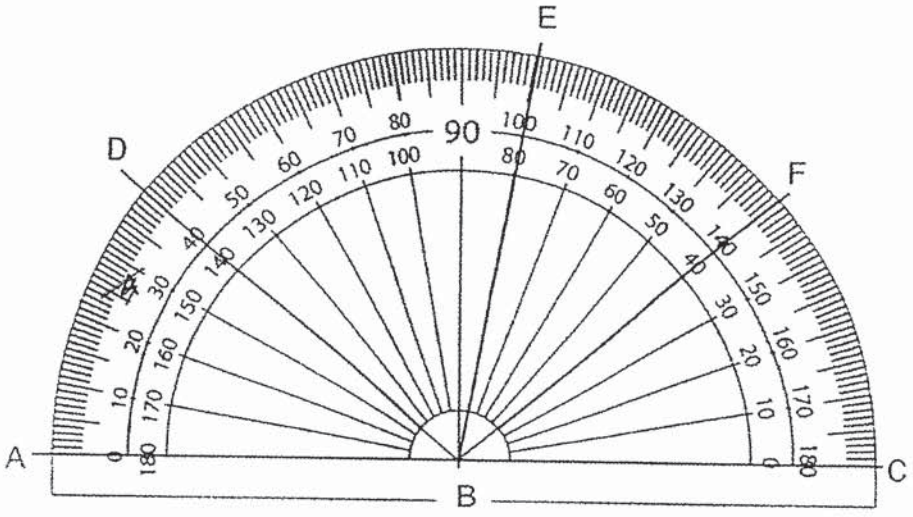
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14. Simon is facing North and he turns 135 °clockwise, in which direction will he face?

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



15. In the figure shown below, name a pair of equal angles.



(1) ∠ABE=∠CBE
(2) ∠ABD=∠CBF
(3) ∠DBF=∠EBC
(4) ∠DBF=∠EBF

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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.

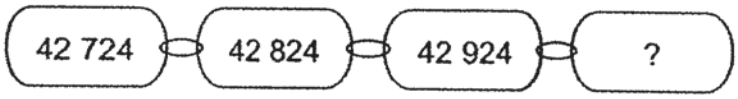
All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

16. 85 301 = 80 000 + 5000 + _____ + 1

Ans: _____

17. Find the missing number.



Ans: _____

18. Round 65 945

(a) to the nearest hundred.

(b) to the nearest thousand.

Ans: (a) _____

(b) _____

19. The second common multiple of 4 and 6 is _____.

Ans: _____

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20. 5192 x 3 = _____

Do not write in this space

Ans: _____

21. Find the missing digit in the box.

$$\begin{array}{r} 1\ 8\ 2\ 0 \\ \times\qquad 7 \\ \hline 1\ 2\ \boxed{?}\ 4\ 0 \end{array}$$

Ans: _____

22. Find the quotient when 4505 is divided by 6.

Ans: _____

23. The mass of a tablet is 825 g. Find the mass of 20 such tablets.

Ans: _____ g

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24. Keryn and Linda have 996 stickers.
Keryn has 3 times as many stickers as Linda.
How many stickers does Linda have?

Do not write in this space

Ans: _____

25. How many fifths are there in 1 whole?

Ans: _____

26. Find the value of $\frac{4}{5} - \frac{1}{3}$ in its simplest form.

Ans: _____

27. Write $\frac{15}{4}$ as a mixed number in its simplest form.

Ans: _____

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28. Arrange the following fractions from the greatest to the smallest.

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

Do not write in this space

Ans: _____ , _____ , _____
greatest

29. In a box, there are 20 marbles. 8 of the marbles are blue and the rest are red. What fraction of the marbles is red?
Express your answer as a fraction in its simplest form.

Ans: _____

30. In a relay race, Java ran $\frac{1}{2}$ km. His friend, Kevin ran $\frac{1}{2}$ km further than he did. What was the total distance that the boys ran?
Express your answer in its simplest form.

Ans: _____ km

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31. Chin Woon had some money. She spent $\frac{5}{7}$ of the money and had $14 left. How much money did she have at first?

Ans: $_____

Do not write in this space

32. Amber had 40 stickers. She used $\frac{2}{5}$ of them on Monday and the rest on Tuesday. How many stickers did she use on Tuesday?

Ans: _____

33. Wei Zhong had $48. He spent $\frac{1}{2}$ of his money on books and $\frac{1}{4}$ of his money on transportation. How much money did he spend altogether?

Ans: $_____

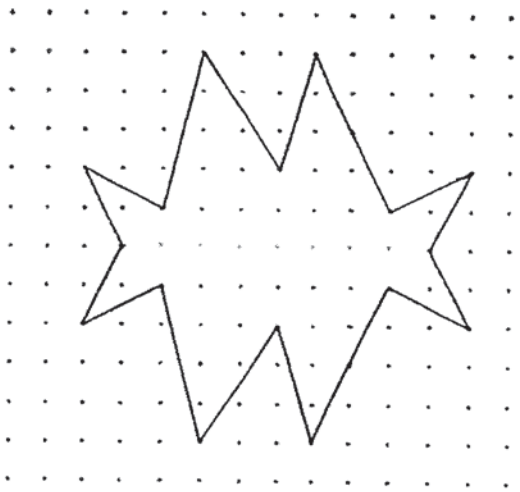
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34. In a box there are 8 pens. $\frac{3}{4}$ of the pens in the box are green pens and the rest are red pens. If there are 10 such boxes of pens, how many red pens are there in total?

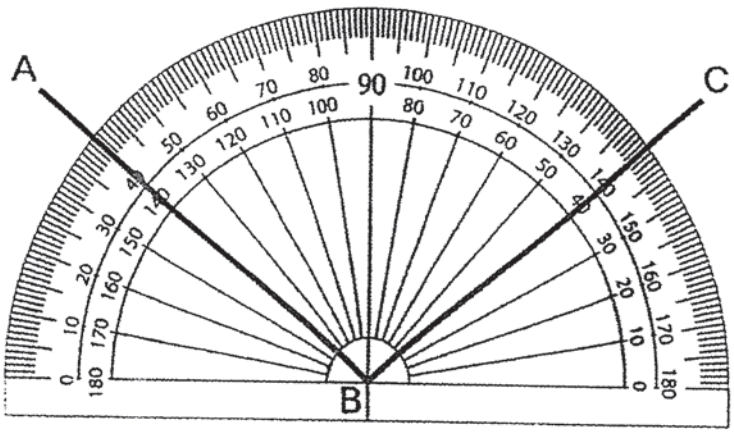
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Ans: _____

35. Use a ruler to draw the line of symmetry in the figure below.



36. Write down the size of ∠ABC.



Ans: _____°

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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. Devi and Esha were each given a piece of ribbon of equal length.

Devi cut her ribbon into shorter pieces, each 4 m long.

Esha cut her ribbon into shorter pieces, each 5 m long.

None of the girls had any ribbon remaining after that.

Find the shortest length of ribbon given to each girl.

Ans: _____ [3]

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38. Eddie baked 1280 muffins for a charity event. He gave 360 muffins to the senior citizens and packed the remaining muffins into boxes of 8. How many boxes did Eddie use?

Do not write in this space

Ans: _____ [3]

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39. Xin Min collected stamps as part of his hobby. $\frac{1}{3}$ of his stamps were from Singapore. $\frac{1}{6}$ of his stamps were from China. He had 420 stamps from China. If the rest of his stamps were from India, how many stamps were from India?

Do not write in this space

Ans: _____ [3]

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40. Study the figures below.

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

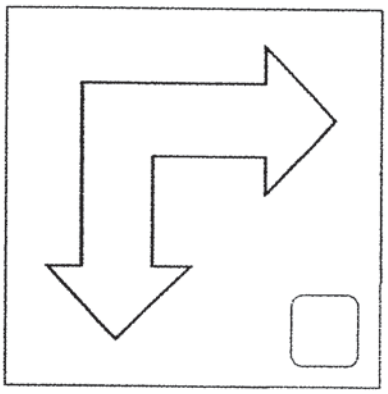


Figure A

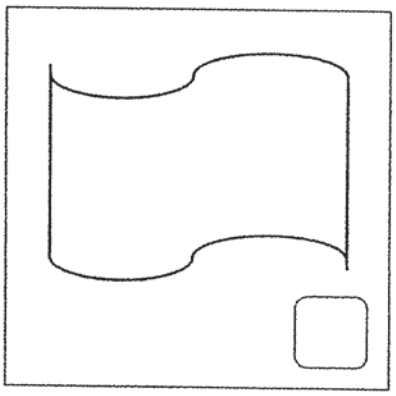
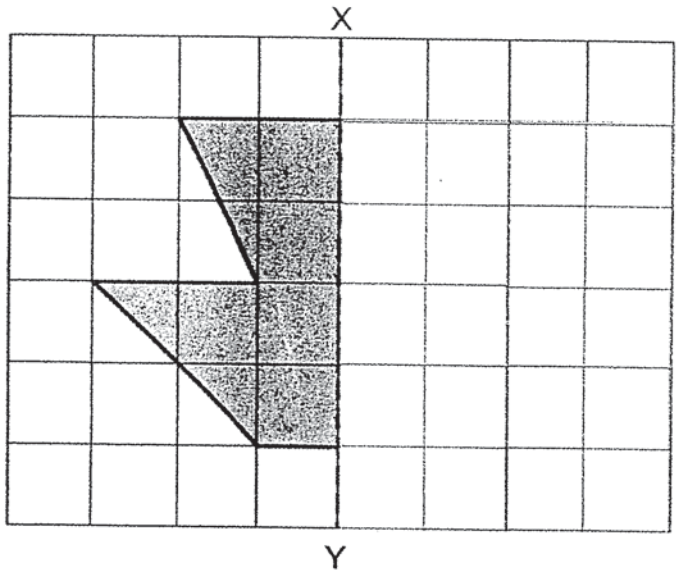


Figure B

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



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41. At a carnival, Mr Reza bought 2 adult tickets and 3 child tickets for $203. Each adult ticket costs twice as much as a child ticket. How much did he pay for all the child tickets?

Do not write in this space

Ans: _____ [4]

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42. Kai had 1028 marbles more than Shen at first. After Shen gave away 400 marbles, Kai had three times as many marbles as Shen. How many marbles did Kai have?

Do not write in this space

Ans: _____ [4]

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43. Uncle Lee had a total of 125 pears and apples at first. He sold 35 pears and half of the number of apples. There was an equal number of pears and apples left in the end. How many pears were there at first?

Do not write in this space

Ans: _____ [4]

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44. Benjamin had some books. He gave $\frac{1}{3}$ of his books to Cheryl and $\frac{4}{9}$ of them to David.

(a) What fraction of the books did Benjamin have left?
(Express your answer in its simplest form.)

(b) David received 14 more books than Cheryl. How many books did Cheryl received from Benjamin?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

End of paper

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ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : MID YEAR EXAMINATION

SECTION A

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

SECTION B

Q16) 300

Q17) 43 024

Q18) a: 65 900 b: 66 000

Q19) 24

Q20) 15 576

Q21) 12 740

Q22) 750

Q23) 16 500g

Q24) 249

Q25) 5

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Q26) $\frac{7}{15}$

Q27) $3\frac{3}{4}$

Q28) $1\frac{5}{6}, \frac{5}{3}, \frac{2}{3}$

Q29) $\frac{3}{5}$

Q30) $1\frac{1}{2}$ km

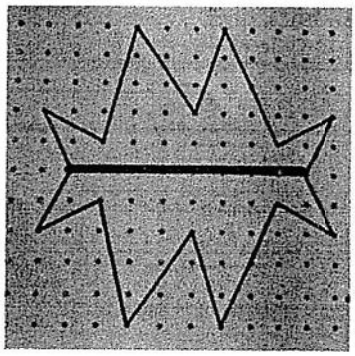
Q31) $49

Q32) 24

Q33) $36

Q34) 20

Q35)



Q36) 100°

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SECTION C

Q37) Multiples of 4: 4, 8, 12, 16, 20
Multiples of 5: 5, 10, 15, 20

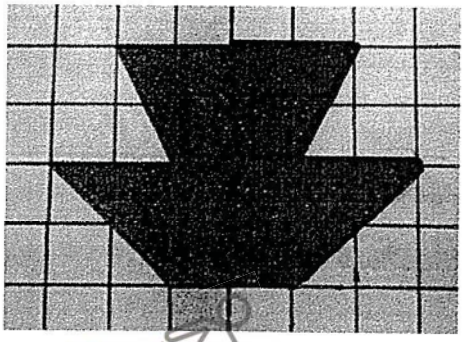
Answer: 20m

Q38) 1280 – 360 = 920
920 ÷ 8 = 115

Q39) 1u → 420
3u → 420 x 3
= 1260

Q40a) Figure A

Q40b)



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Q41) 7u → 203
1u → 203 ÷ 7
= 29
3u → 29 x 3
= $87

Q42) 2u → 1028 + 400
= 1428
1u → 1428 ÷ 2
= 714

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3u → 714 x 3
= 2142

Q43) 3u → 125 – 35
= 90
1u → 90 ÷ 3
= 30
Pears → 30 + 35
= 65

Q44a) $1 - \frac{3}{9} - \frac{4}{9} = \frac{2}{9}$

Answer: $\frac{2}{9}$

Q44b) 1u → 14
3u → 14 x 3
= 42

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END

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