Rosyth School
End-of-Year Examination 2019
Mathematics
Primary 4

Name : _____ ( ) Total 100

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

Date : 22nd October 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 23 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.

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

1. The value of the digit 2 in 27 410 is _____.

   (1) 20
   (2) 200
   (3) 2000
   (4) 20 000

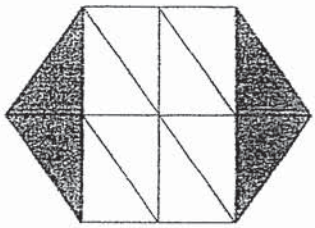
2. Sixty-four thousand and twelve in figures is _____.

   (1) 64 120
   (2) 64 102
   (3) 64 012
   (4) 6412

3. 14 543 rounded to the nearest hundred is _____.

   (1) 14 500
   (2) 14 540
   (3) 14 600
   (4) 15 000

4. The figure shown is made up of identical triangles. What fraction of the figure is shaded?



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

(2) $\frac{4}{11}$

(3) $\frac{4}{12}$

(4) $\frac{8}{12}$

5. $\frac{1}{8} + \frac{1}{4} =$ _____

(1) $\frac{3}{32}$

(2) $\frac{2}{12}$

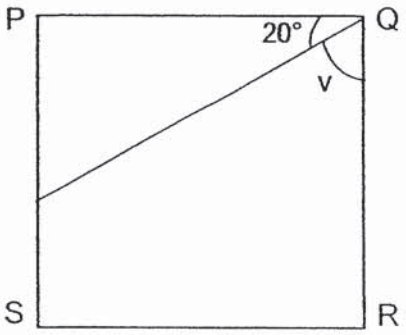
(3) $\frac{3}{8}$

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

6. Write $9\frac{7}{20}$ as a decimal. The answer is _____.

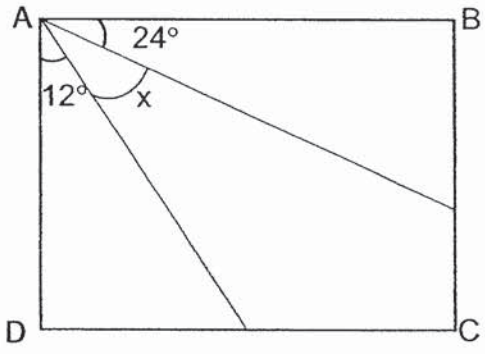
(1) 9.7
(2) 9.35
(3) 9.72
(4) 9.035

7. In the figure below, PQRS is a square. Find $\angle$ v.



(1) 40°
(2) 50°
(3) 70°
(4) 110°

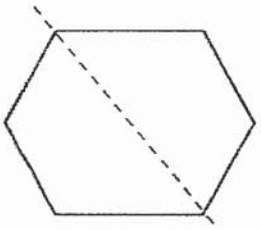
8. In the figure, ABCD is a rectangle. Find the value of $\angle$x.



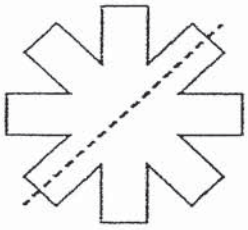
(1) 36°
(2) 54°
(3) 64°
(4) 144°

9. Which of the following dotted line in the figure does not show correctly the line of symmetry?

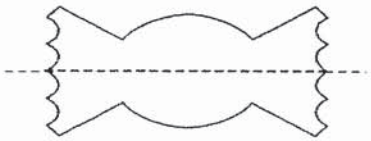
(1)



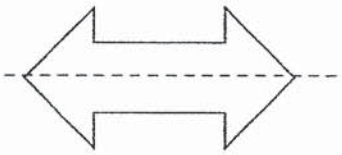
(2)



(3)



(4)



10. The table below shows the number of mobile phones that was sold by a shop from Friday to Sunday.

	Friday	Saturday	Sunday	Total
Number of mobile phones sold	28	?	49	176

Find the number of mobile phones sold on Saturday.

(1) 77
(2) 89
(3) 99
(4) 109

11. Azahar bought 9 similar pens. Each pen cost $2.40. He gave the cashier a $50 note for the pens. How much change did he receive?

(1) $21.60
(2) $28.40
(3) $29.40
(4) $47.60

12. A rectangle has a breadth of 12 cm. If the length of the rectangle is 3 times its breadth, what is its perimeter?

(1) 36 cm
(2) 48 cm
(3) 96 cm
(4) 432 cm

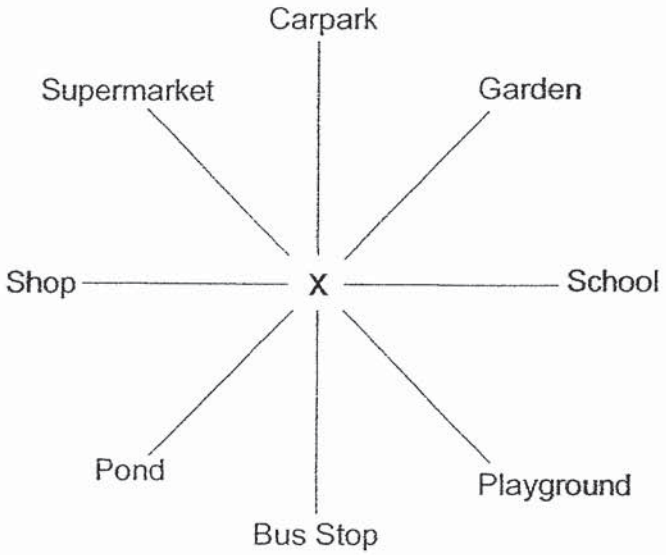
13. Michelle took 50 min to finish her English homework. She took 15 min longer to finish her Mathematics homework. What was the total time taken to finish her English and Mathematics homework?

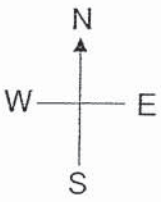
(1) 1 h 5 min
(2) 1 h 15 min
(3) 1 h 25 min
(4) 1 h 55 min

14. Mr Ang spent $270 on 3 T-shirts and 2 pairs of pants. A pair of pants cost $15 more than a T-shirt. Find the cost of a T-shirt.

(1) $48
(2) $49
(3) $51
(4) $144

15. Ryan was at point X facing the garden. He wanted to go to the shop. In which direction should he turn?





(1) 135° clockwise
(2) 135° anti-clockwise
(3) 245° clockwise
(4) 245° anti-clockwise

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. 6995 + 1077 = _____

Ans: _____

17. What is the remainder when 1034 is divided by 6?

Ans: _____

18. I am a number greater than 20 but less than 40. I am a multiple of 6 and a factor of 48. What number am I ?

Ans: _____

19. What is the value of $\frac{5}{6} + \frac{1}{3}$?

Express your answer as a mixed number.

Ans: _____

20. Which two fractions below are smaller than $\frac{1}{2}$?

$\frac{2}{3}$, $\frac{4}{9}$, $\frac{3}{8}$, $\frac{7}{11}$

Ans: _____ and _____

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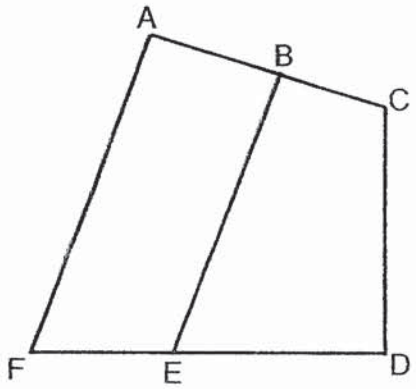
21. In the figure, one of the lines is parallel to BE. Which line is parallel to BE?



Ans: _____

22. Write 42 thousandths as a decimal.

Ans: _____

23. $9.7 - 0.78 =$ _____

Do not write in this space

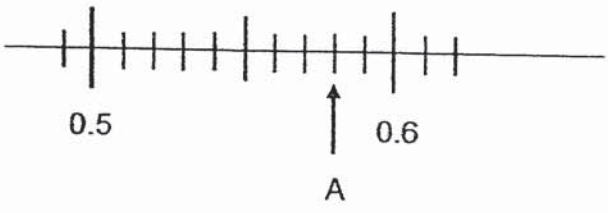
Ans: _____

24. Arrange the following numbers in order from the smallest to the greatest.

$\frac{4}{5}$, 0.818 , 0.088

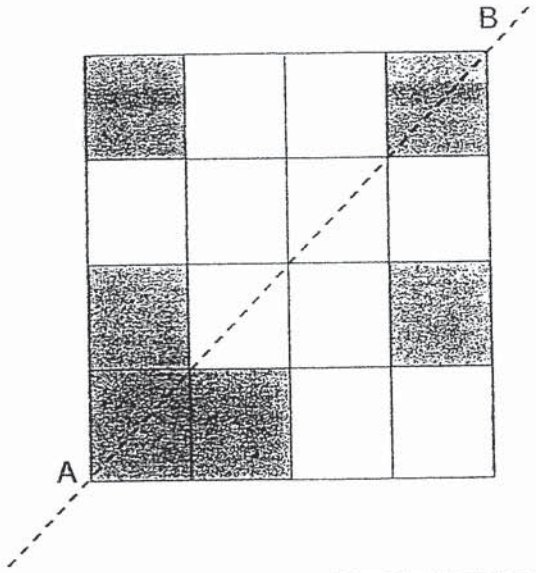
Ans: _____ (smallest), _____, _____ (greatest)

25. Write the decimal represented by A.



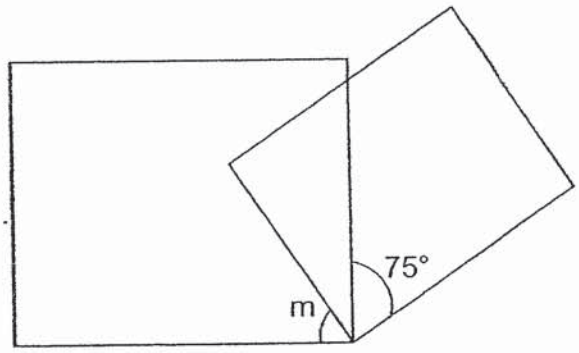
Ans: _____

26. Shade **two** squares to form a symmetric figure with AB as the line of symmetry.



Do not write in this space

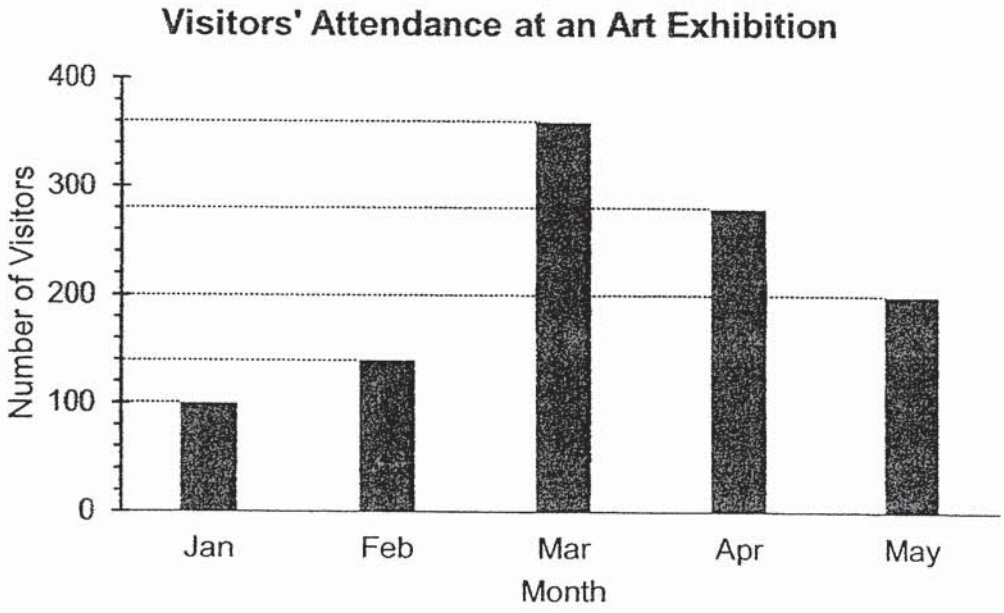
27. The figure below (not drawn to scale) is made up of 2 rectangles. Find ∠m.



Ans: _____°

Use the following information below to answer Questions 28 and 29.

The graph below shows the number of visitors who attended an art exhibition over five months.



28. Which month has twice the number of visitors in January?

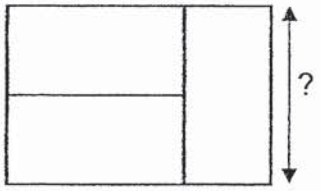
Ans: _____

29. What was the total number of visitors from January to May?

Ans: _____

Do not write in this space

30. The figure below is made up of 3 identical rectangles. Given that the perimeter of the figure is 60 cm, find the length of a rectangle.

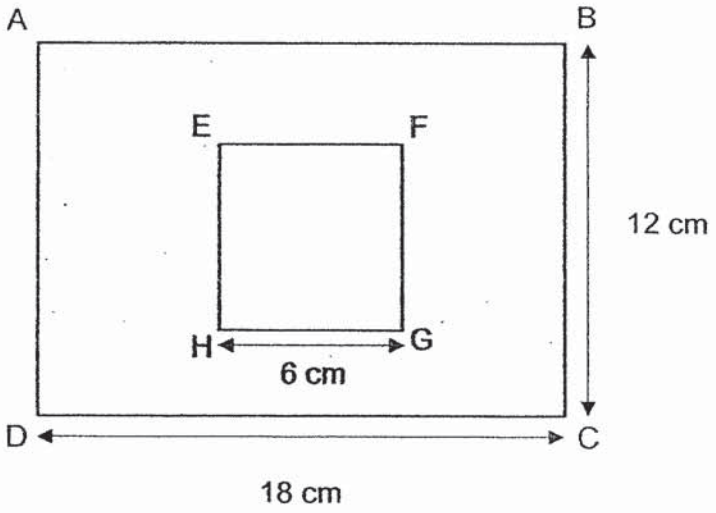


Ans: _____ cm

Do not write in this space

31. ABCD is a rectangle and EFGH is a square.

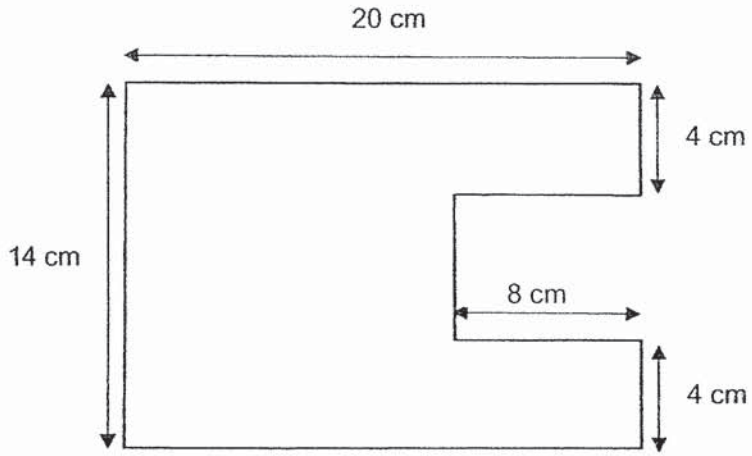
Find the area of the shaded part.



Ans: _____ cm^2

32. Find the perimeter of the figure below. (All lines meet at right angles.)

Do not write in this space



Ans: _____ cm

33. The mass of a bottle of soft drink is 1.53 kg. It is 9 times as heavy as a packet of chocolate milk. What is the mass of the packet of chocolate milk?

Ans: _____kg

34. Tank A had 5 times as much water as Tank B at first. After 20.16 litres of water from Tank A was poured into Tank B, both tanks had an equal amount of water. How much water was there in Tank A at first?

Do not write in this space

Ans: _____ litres

35. Ethan left home at 10.20 a.m. He walked for 20 min to reach the train station. His train journey took 25 min. He walked for another 8 min before reaching the library. What time did he reach the library?

Ans: _____ a.m.

36. Mrs Koh left a shopping mall at 20 10 after spending her time there for 2 h 35 min. What time did she arrive at the shopping mall?
State the time using the 24-hour clock.

Ans: _____

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.

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

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37. Nisha bought 3 notebooks and 3 pens. Each notebook cost twice as much as a pen. She paid $216 in total for the notebooks and pens. Find the cost of 1 notebook.

Ans: _____ [3]

38. In a competition for school children, $\frac{7}{9}$ of the participants were boys.

There were 50 girls who participated in the competition. How many more boys than girls participated in the competition?

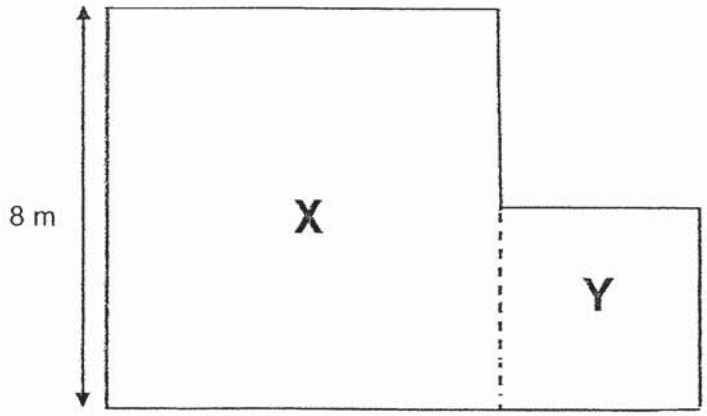
Do not write in this space

Ans: _____ [3]

39. The figure below (not drawn to scale) is made up of two squares, Square X and Square Y. The total area of the figure is 80 m^2.

(a) What is the area of Figure Y?

(b) What is the perimeter of the whole figure?



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Ans: (a) _____ [1]

(b) _____ [2]

40. The graph below shows the number of burgers sold by a fast-food restaurant in a week.

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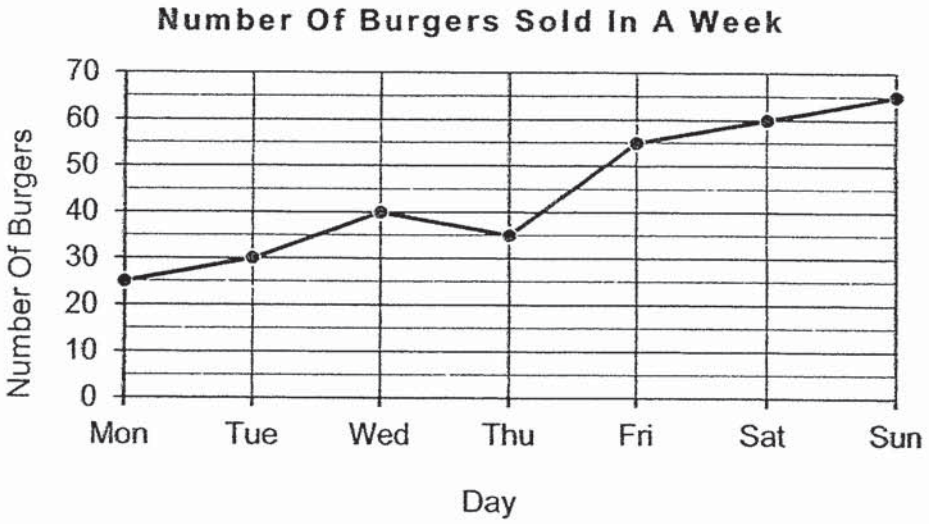


(a) Which day showed a decrease in the number of burgers sold compared to the previous day?

(b) Each burger was sold at $4 each. How much money did the restaurant earn from the total sales on Saturday and Sunday?

Ans: (a)_____ [1]

(b) _____ [2]

41. A library has a total of 5670 books. The number of English books is twice as many as Chinese books and four times as many as Malay books.

(a) How many more Chinese books than Malay books are there in the library?

(b) How many English books are there in the library?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

42. Wong Lin bought twice as many cupcakes as muffins from a shop. Each cupcake cost $3 and each muffin cost $2. If she spent a total of $640, how many cupcakes did she buy?

Do not write in this space

Ans: _____ [4]

43. Mdm Fatimah had a bag of green beans. She prepared an equal amount of green beans each day to sell at her desserts stall. At the end of 2 days, she had $\frac{4}{5}$ of her bag of green beans left. At the end of 8 days, she had 10 kg of green beans left.

(a) What was the mass of the bag of green beans she had at first?

(b) How many kilograms of green beans did she use in 3 days?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

44. Claire multiplied a number by 7 and got answer A. Using the same number, Claire multiplied it by 2 and got answer B. The difference between answer A and answer B was 18.5.

Do not write in this space

(a) What was the number?

(b) What was the sum of answer A and answer B?

Ans: (a) _____ [2]

(b) _____ [2]

End of paper

ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESSMENT 2

SECTION A

Q1 4

Q2 3

Q3 1

Q4 3

Q5 3

Q6 2

Q7 3

Q8 2

Q9 1

Q10 3

Q11 2

Q12 3

Q13 4

Q14 1

Q15 2

Q16 8072

Q17 2

Q18 24

Q19 $1\frac{1}{6}$

Q20 $\frac{3}{8}$OR $\frac{4}{9}$

Q21 AF

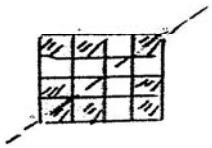
Q22 0.042

Q23 8.92

Q24 0.088, $\frac{4}{5}$,0.818

Q25 0.58

Q26



Q27 75°

Q28 MAY

Q29 1050

Q30 12cm

Q31 180cm^2

Q32 84cm

Q33 0.17kg

Q34 50.40litres

Q35 11.13a.m.

Q36 1735

Q37 $48

Q38 125

Q39 (a)16m^2

(b)40m

Q40 (a)Thursday

(b)$500

Q41 (a)810

(b)3240

Q42 160

Q43 (a)50kg

(b)15kg

Q44 (a)3.7

(b)33.3