Rosyth School
2018 Semestral Assessment 2
Mathematics
Primary 4

Name : _____ ( ) Total ____/100

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

Date : 25 Oct 2018 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 22 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. In which of the following numbers does the digit 3 stands for 300?

   (1) 3 580
   (2) 5 304
   (3) 6 103
   (4) 7 039

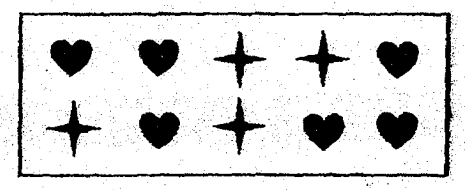
2. 24 thousands and 6 tens is the same as _____.

   (1) 246
   (2) 2 460
   (3) 24 006
   (4) 24 060

3. 64 259 rounded to the nearest hundred is _____.

   (1) 64 000
   (2) 64 200
   (3) 64 260
   (4) 64 300

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



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

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

   (3) $\frac{6}{10}$

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

5. $7\frac{3}{8} = \frac{\square}{8}$

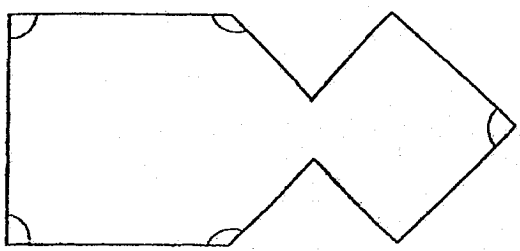
What is the missing number in the box?

(1) 21
(2) 53
(3) 56
(4) 59

6. In which of the following numbers does the digit 4 stand for 4 tenths?

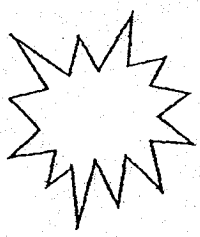
(1) 14.25
(2) 23.45
(3) 45.98
(4) 67.34

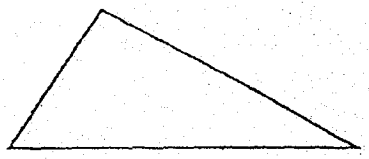
7. In the figure below, how many of the marked angles are right angles?

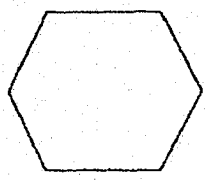


(1) 5
(2) 2
(3) 3
(4) 4

8 Which of the following is a symmetrical figure?

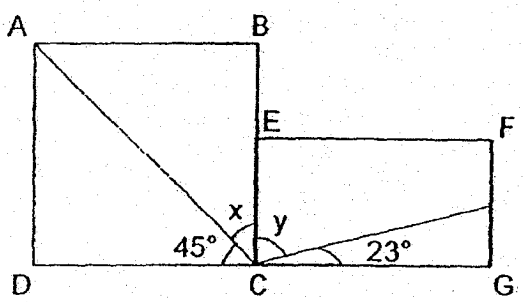
(1) 

(2) 

(3) 

(4) 

9. The figure below, shows a square ABCD and a rectangle EFGC. Find the sum of $\angle x$ and $\angle y$.



(1) 45°
(2) 67°
(3) 102°
(4) 112°

10. Yanti bought 120 strawberries. She gave 78 strawberries to her grandmother. How many strawberries had she left?

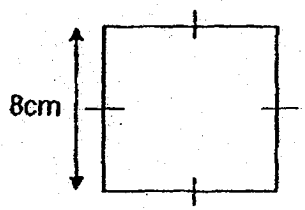
(1) 42
(2) 48
(3) 52
(4) 198

11. The table below shows the favourite activities of some children in a club. The number of children who like swimming is thrice the number of children who like basketball. What is the total number of children in the club?

Activity	Number of Children
Soccer	55
Cycling	25
Basketball	35
Swimming	?

(1) 70
(2) 105
(3) 200
(4) 220

12. Both the square and rectangle have the same area. Find the perimeter of the rectangle given that its breadth is 4cm.



(1) 16 cm
(2) 20 cm
(3) 40 cm
(4) 64 cm

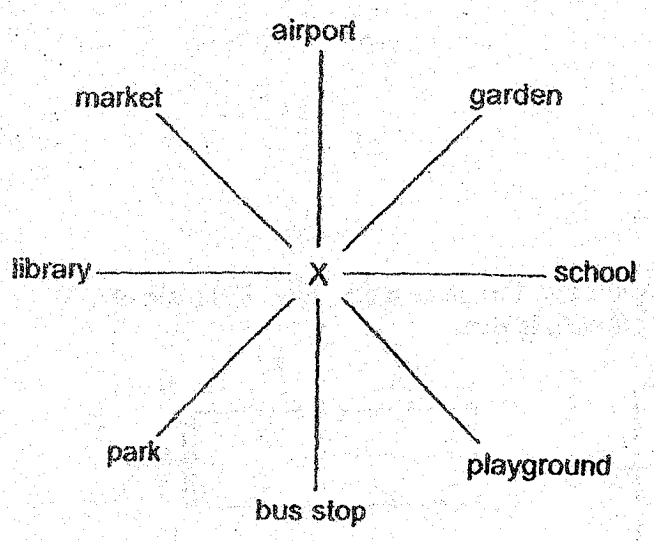
13. Adrian bought 8 pieces of cakes. Each piece of cake costs $1.20. He gave the cashier $50 for the cakes. How much change did he receive?

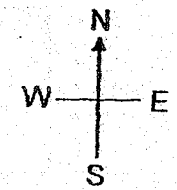
(1) $9.20
(2) $9.60
(3) $40.40
(4) $41.40

14. Both Boon and Kim left work at 6.00 pm. Kim reached home 15 minutes earlier than Boon. Boon reached home at 7.25 pm. How long did it take Kim to reach home from work?

(1) 1h 10 min
(2) 1h 25 min
(3) 1h 30 min
(4) 1h 40 min

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





(1) 135° clockwise
(2) 135° anti-clockwise
(3) 225° clockwise
(4) 315° 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.

Do not write in this space

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

16. Write thirty thousand and forty-five in figures.

Ans: _____

17. Two factors of 10 are 1 and 10. What are the other two factors of 10?

Ans: _____ and _____

18. How many one-sixths are there in 1 whole?

Ans: _____

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

Express your answer as a mixed number.

Ans: _____

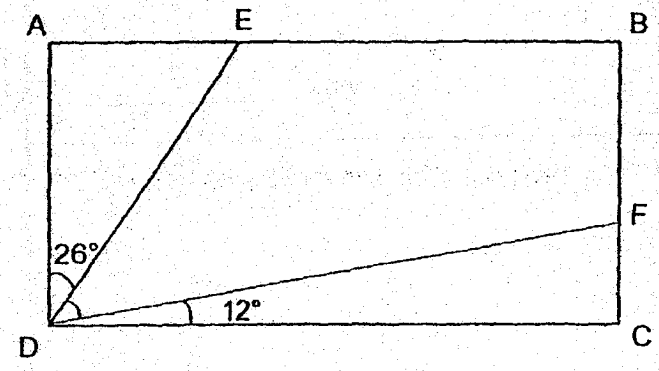
20. Arrange the following fractions from the smallest to the greatest.

$$\frac{5}{7}, \quad \frac{3}{7}, \quad \frac{1}{2}$$

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

Do not write in this space

21. In the figure shown, ABCD is a rectangle. Find ∠ EDF.

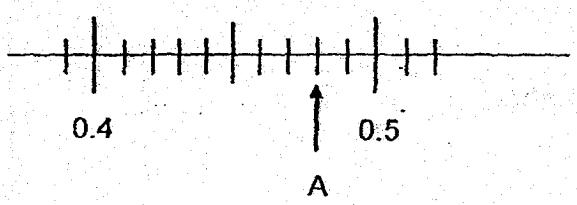


Ans: _____°

22. Write 9 hundredths in figures.

Ans: _____

23. Write the decimal represented by A.



Ans: _____

24. Round 12.55 to the nearest whole number.

Do not write in this space

Ans: _____

25. Fill in the missing numbers.

	23 797			
23 707	23 807	23 907	(b)	24 107
	(a)			
	23 827			

Ans: (a) _____

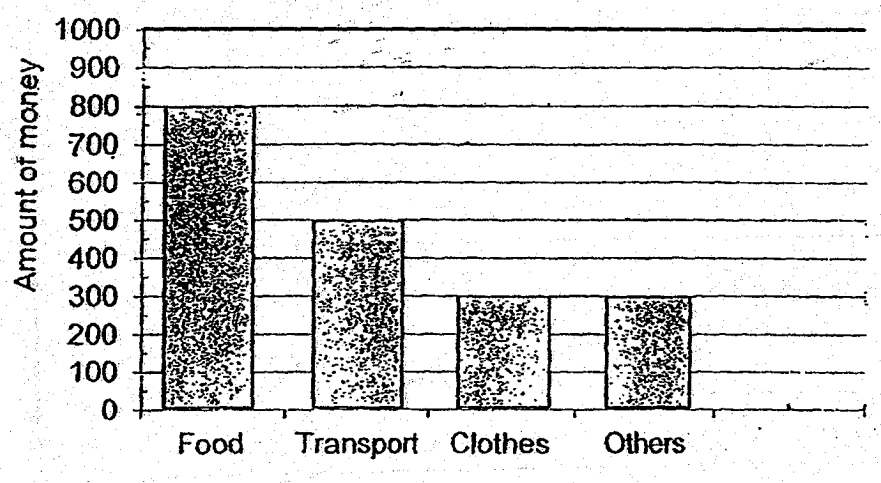
(b) _____

26. Stall X sells durian cakes every 4 days.
Stall Y sells durian cakes every 5 days.
If stalls X and Y sold durian cakes on National Day, how many days later would both stalls sell durian cakes on the same day again? (Find the **shortest** possible number of days.)

Ans: _____

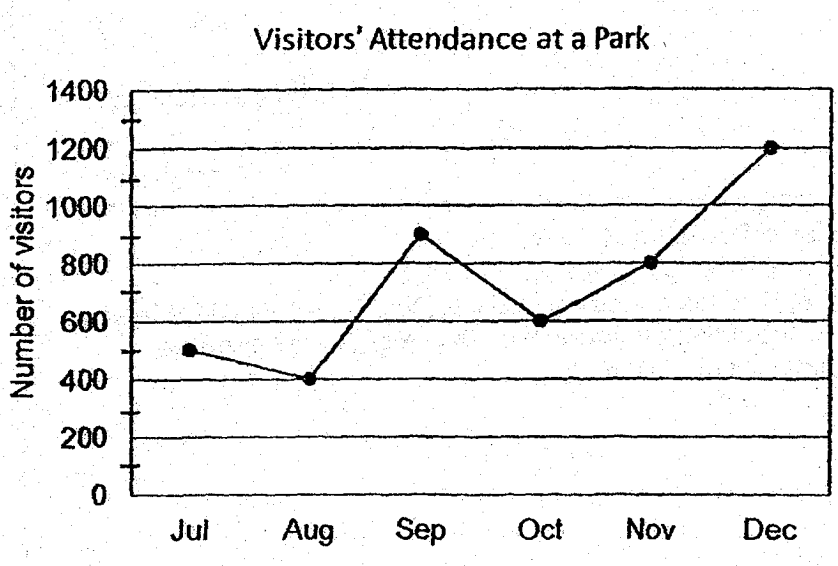
27. The graph below shows the amount of money Victor spent in a month.
Find the total amount of money Victor spent in a month.

Do not write in this space



Ans: $ _____

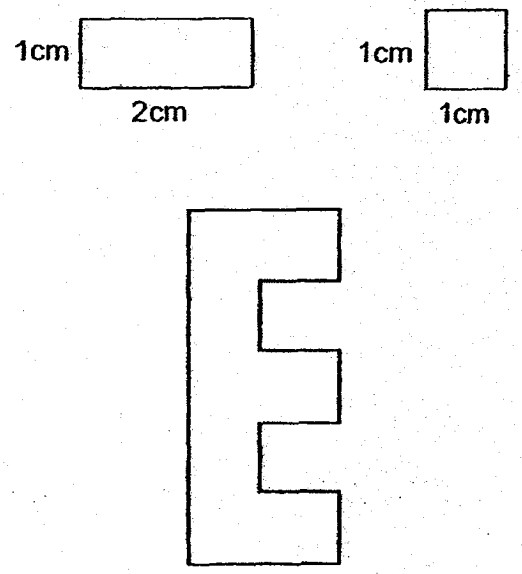
28. The graph below shows the number of visitors at a park. What was the increase in the number of visitors from October to December?



Ans: _____

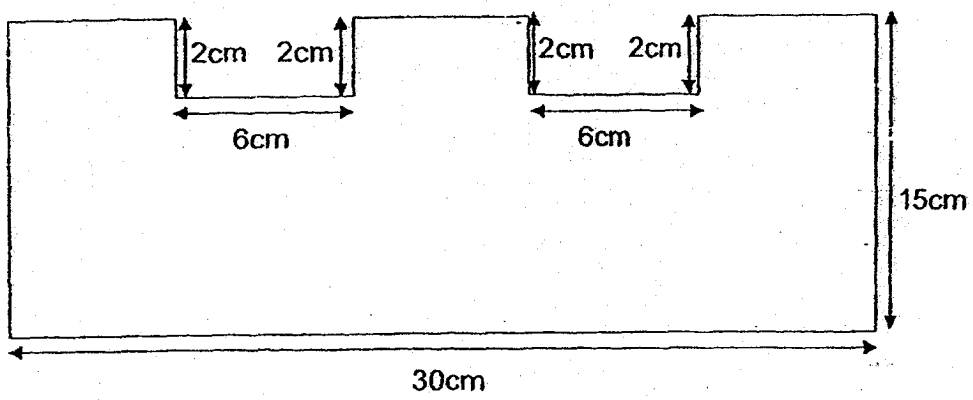
29. Ali used two figures of different sizes to form the letter 'E' as shown below. He used five figures altogether. Find the perimeter of the letter 'E'.

Do not write in this space



Ans: _____ cm

30. Find the area of the figure given below.



Ans: _____ cm^2

31. Mother makes 20.75 litres of juice. She pours the juice equally into 5 containers. How many litres of juice are there in each container? Give your answer correct to 1 decimal place.

Do not write in this space

Ans: _____ litres

32. Jason cycles a distance of 4.25 km to the park. Iman cycles 3 times as far as Jason does. What is the total distance the two boys cycle?

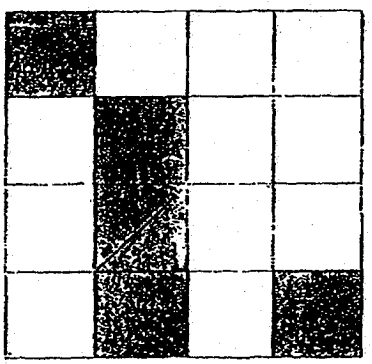
Ans: _____ km

33. Brad left Town A and drove for 2 h15 min. He reached Town B at 1.45 p.m. What time did he leave Town A?

Do not write in this space

Ans: _____ a.m.

34. In the figure below, shade two more squares so that the figure is symmetrical. Draw the line of symmetry.



35. The table below shows the cost of apples and grapes. Sandy has $30 and wanted to buy both apples and grapes. What is the most number of apples she can buy if she bought 1 kg of grapes?

Do not write in this space

Fruit	Cost
Apples	3 apples for $2
Grapes	1 kg for $10

Ans: _____

36. Nisha bought 4 notebooks and 2 pens. Each notebook cost twice as much as a pen. She paid $24.80 more for the notebooks. How much did Nisha spend on the pens?

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.

Do not write in this space

37. Annie, Peter and Vincent had 162 stamps.

Annie had twice as many stamps as Peter.

Vincent had three times as many stamps as Annie.

How many stamps did Vincent have?

Ans: _____ [3]

38. Kaihui has 12 rows of mango trees in her plantation. There are 28 mango trees in each row. $\frac{5}{7}$ of the trees have fruits. The rest of the trees do not have fruits.

(a) How many mango trees are there altogether?

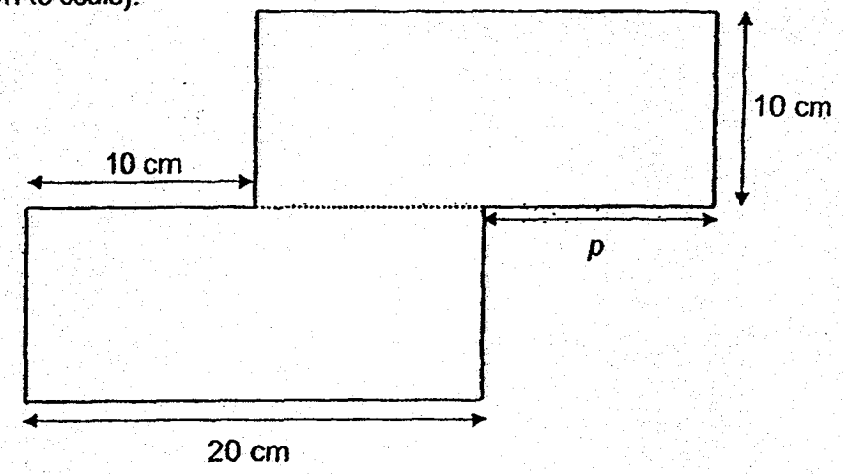
(b) How many mango trees do not have fruits?

Do not write in this space

Ans: (a) _____ [1]

(b) _____ [2]

39. The figure below is made of two identical rectangles. (The diagram is not drawn to scale).



(a) What is the length of the side marked p?

(b) Find the perimeter of the figure.

Do not write in this space

Ans: (a) _____ [1]

(b) _____ [2]

40. Both Alice and Julia had the same amount of money at first. After Julia spent $15.50 and Alice spent $3.50, Alice had 5 times the amount of money Julia had. How much money did Julia have at first?

Do not write in this space

Ans: _____ [3]

41. At a party, there were three times as many girls as boys.

Each girl was given two balloons and each boy was given three balloons.

(a) How many balloons did 3 girls and 1 boy have?

(b) Given that a total of 135 balloons were given out, how many girls were there?

Do not write in this space

Ans: (a) _____ [1]

(b) _____ [3]

Do not write in this space

42. Judy and Ben had a total of 115 stickers.
Ben and Eugene had a total of 160 stickers.
Eugene had 4 times as many stickers as Judy.
How many stickers did Ben have?

Ans: _____ [4]

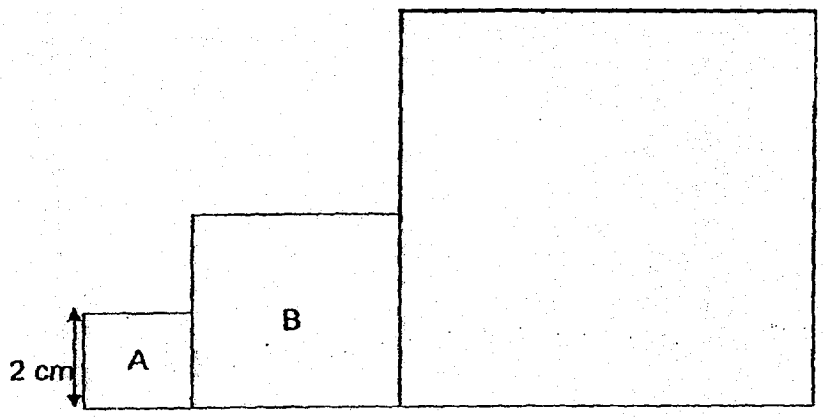
43. Sam filled $\frac{7}{9}$ of a container with green jelly beans. He put in another 80 yellow jelly beans to fill up the space in the container. How many more green jelly beans than yellow jelly beans were there?

Do not write in this space

Ans: _____ [4]

44. The figure below is made up of 3 squares A, B and C. The area of Square C is 4 times the area of square B. The area of B is 16 cm². (The diagram is not drawn to scale).

Do not write in this space



(a) Find the area of the figure.

(b) Find the perimeter of the figure.

Ans: (a) _____ [2]

(b) _____ [2]

End of paper

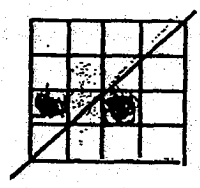
EXAM PAPER 2018
LEVEL : PRIMARY 4
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

Section A

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

Section B

Q16 30 045
Q17 2 and 5
Q18 6
Q19 $1\frac{1}{6}$
Q20 $\frac{3}{7}, \frac{1}{2}, \frac{5}{7}$
Q21 52°
Q22 0.09
Q23 0.48
Q24 13
Q25 (a) 23 817
(b) 24 007
Q26 20
Q27 $1900
Q28 600
Q29 18cm
Q30 $426cm^2$
Q31 4.2 litres
Q32 17km
Q33 11.30a.m
Q34



Q35 30
Q36 $8

Section C

Q37

9 units = 162
1 unit = 162÷9 = 18
6 units = 18 x 6 = **108**

Q38

(a) 12 x 28 = **336 (total no. of fruits)**

(b) 7 units = 336
1 unit = 336 ÷ 7 = 48
2 units = 48 x 2 = **96 (do not have fruits)**

Q39

(a) 20cm – 10cm = **10cm (length of p)**

(b) 20cm x 5 = **100cm (perimeter)**

Q40

4 units = $15.50 - $3.50 = $12
1 unit = $12 ÷ 4 = $3
$3 + $15.50 = **$18.50 (at first)**

Q41

(a) 3 x 2 = 6 (girls)
3 x 1 = 3 (boys)
6 + 3 = **9**

(b) 9 units = 135
1 unit = 135 ÷ 9 = 15
3 units = 15 x 3 = **45 (girls)**

Q42

160 – 115 = 45 (diff Eugene and Judy)
3 units = 45
1 unit = 45 ÷ 3 = 15
115 – 15 = **100 (Ben)**

Q43

2 units = 80
1 unit = 80 ÷ 2 = **40**
7 units = 7 x 40 = **200**

Q44

(a) 2cm x 2cm = 4cm^2 (Area of square A)
16cm^2 x 4 = 64cm^2 (Area of square C)
(4 + 16 + 64)cm^2 = **84cm^2 (Area of figure)**

(b) (2cmx3) + 2cm + (4cmx2) + 4cm + (8cmx3) = **44cm (perimeter)**