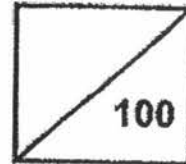**Rosyth School**
Second Semestral Assessment 2017
Mathematics
Primary 4

Total ⧄ 100

Name: _____

Class: Pr 4 -_____   Register No. _____   Duration: 1 h 45 min

Date: 26 October 2017   Parent's Signature: _____

	Maximum	Marks Obtained
Section A	30	
Section B	42	
Section C	28	
Total	100	

* This paper consists of **23** printed pages altogether.

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1

Section A

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 the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided. Each question carries 2 marks.

(30 marks)

1. In which of the following numbers does the digit 6 stand for 600?

   (1) 2368

   (2) 3682

   (3) 6832

   (4) 8236

2. Seventy-three thousand and ninety-six in figures is _____.

   (1) 7396

   (2) 73 096

   (3) 73 906

   (4) 73 960

3. 17 452 rounded to the nearest hundred is _____.

   (1) 17 400

   (2) 17 450

   (3) 17 500

   (4) 17 000

2

4. Which of the following is **not** an equivalent fraction of $\frac{1}{3}$?

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

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

    (3) $\frac{4}{15}$

    (4) $\frac{6}{18}$

5. $\frac{1}{5} + \frac{1}{10} =$ _____

    (1) $\frac{2}{10}$

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

    (3) $\frac{2}{15}$

    (4) $\frac{1}{50}$

6. In the number 46.75, the digit _____ is in the hundredths place.
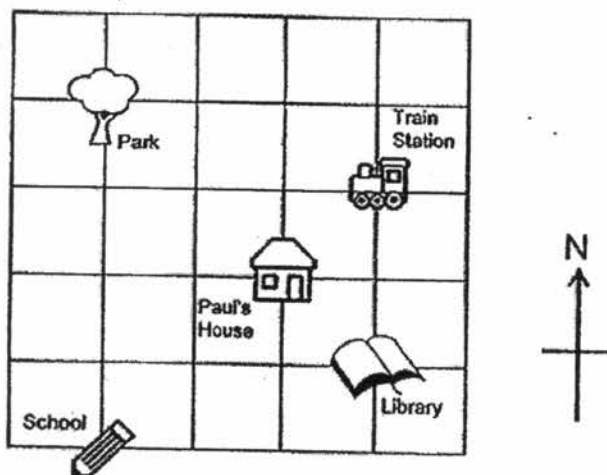
    (1)   5

    (2)   6

    (3)   7

    (4)   4

7. Wilson has $1815.

    Yakim has $427 less than Wilson.
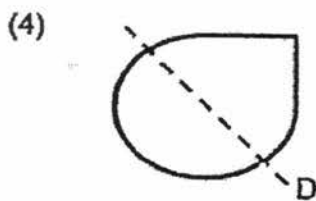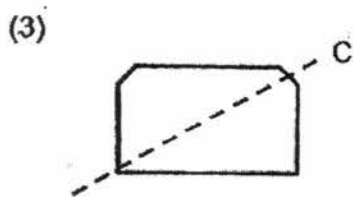
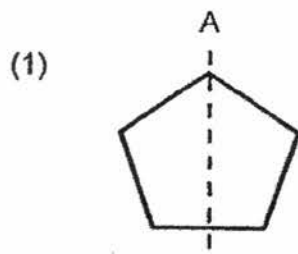   How much money do the two boys have altogether?

    (1) $1388

    (2) $2242

    (3) $3203

    (4) $4057

8. In the map given below, which place is north-west of Paul's house?

    (1) Park

    (2) Library

    (3) School

    (4) Train Station

4

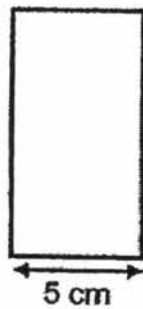9. Which of the following dotted lines, A, B, C or D, is a line of symmetry?

(1)

(2)

(3)

(4)

10. The table below shows the amount of money spent by three pupils on food and transport.

Name	Amount spent on food	Amount spent on transport	Total amount
Nathan	$15	$23	$38
Laura	$20	?	$36
Michael	$18	$21	$39
Total amount	$53	$60	$113

How much did Laura spend on transport?

(1) $16

(2) $19

(3) $24

(4) $37

11. The perimeter of the rectangle below is 40 cm. Its breadth is 5 cm.

5 cm

What is the length of the rectangle?

(1) 8 cm

(2) 15 cm

(3) 30 cm

(4) 35 cm

12. Jane had 1.8 m of string at first. Then, her friend gave her another 0.35 m of string. What is the total length of string that Jane has now?

    (1) 0.73 m

    (2) 1.43 m

    (3) 1.45 m

    (4) 2.15 m

13. A container can hold 4 times as much water as a beaker. The container can hold 2.44 ℓ of water. How much water can the beaker and container hold altogether?

    (1) 0.61 ℓ

    (2) 3.05 ℓ

    (3) 9.76 ℓ

    (4) 12.2 ℓ

14. The sum of two numbers is 3728 Their difference is 384.
    Find the greater number,

    (1) 1672

    (2) 2056

    (3) 2248

    (4) 3344

15. Daniel and Adam ran a total distance of 10.8 km. Daniel ran 2.4 km more than Adam. How far did Adam run?

    (1) 4.2 km

    (2) 6.6 km

    (3) 8.4 km

    (4) 13.2 km

Section B

Questions **16** to **36** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(42 marks)

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

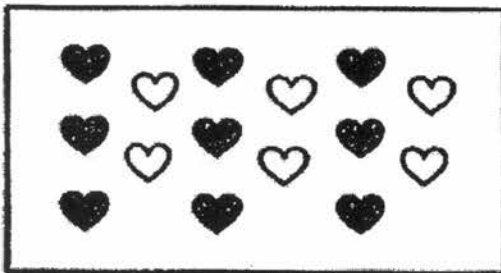16. Write the missing number in the number pattern below.

    13 000 , 12 600 , 12 200 , 11 800 , _____?_____ , 11 000

    Ans: _____

17. Some factors of 20 are 1, 2, 4 and 20. What are the other two factors of 20?

    Ans: _____ and _____

18. What fraction of the hearts shown are shaded in grey?

    Ans: _____

8

19. Express $\frac{4}{24}$ in its simplest form.

Ans: _____

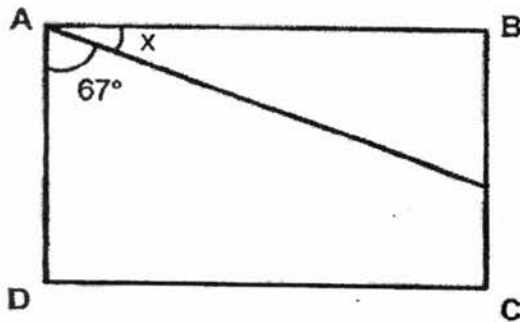20. Arrange the following fractions from the greatest to the smallest.

$$\frac{2}{3} \quad , \quad \frac{5}{6} \quad , \quad \frac{7}{12}$$

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

21. In the figure, ABCD is a rectangle. Find the value of ∠ x.

Ans: _____ °

22. Write 5 thousandths as a decimal.

Ans: _____

9   (Go on to the next page)
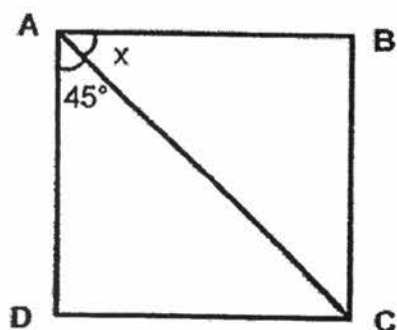
23. Express 0.3 as a fraction.

Ans: _____

24. Round 23.5 to the nearest whole number.

Ans: _____

25. What is the smallest possible number that is divisible by 4 and 6?

Ans: _____

26. ABCD is a square. Find ∠ x.

Ans: _____ °
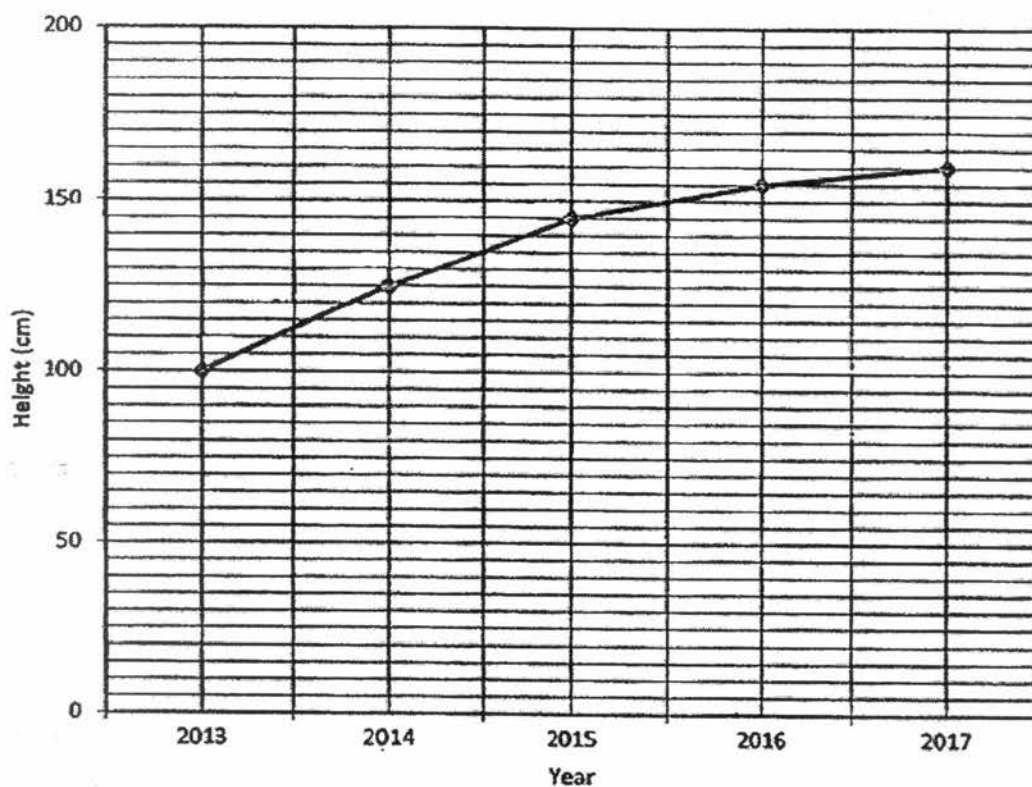
10   (Go on to the next page)

Use the following information below to answer Questions 27 and 28.

The graph shows Adrian's height from 2013 to 2017.

Adrian's height (cm) from 2013 to 2017

27.   What was Adrian's height in 2016?

Ans: _____ cm

28.   In which one-year period did Adrian's height increase the most?
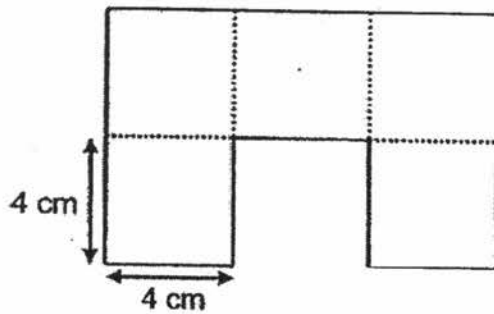
Ans: Between Year _____ and _____

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29. Gillian had 4 m of ribbon at first. She used $\frac{3}{4}$ m of ribbon to tie a present. How much ribbon did she have left?
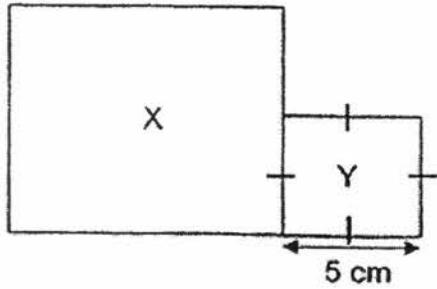
Ans: _____ m

30. The figure below is formed by five 4-cm squares. Find the perimeter of the figure.

4 cm

4 cm

Ans: _____ cm

12 (Go on to the next page)

31. The figure below is made up of rectangle X and square Y.

The length of square Y is 5 cm.

The area of rectangle X is five times the area of square Y.

What is the area of rectangle X?

Ans: _____ cm²

32. Jamie had 6 kg of grapes. She packed them into 9 equal packs weighing 0.45 kg each. What was the mass of grapes that Jamie had left?

Ans: _____ kg
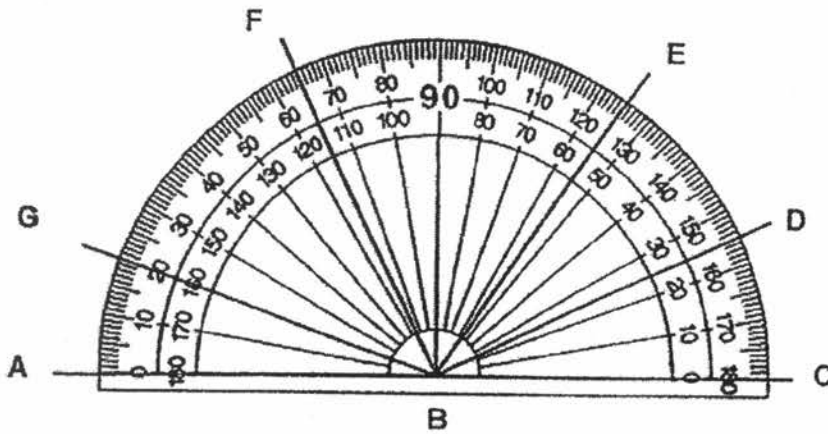
33. Sam started watching a movie at 11.35 p.m. The movie ended at 2.30 a.m. How long was the movie?
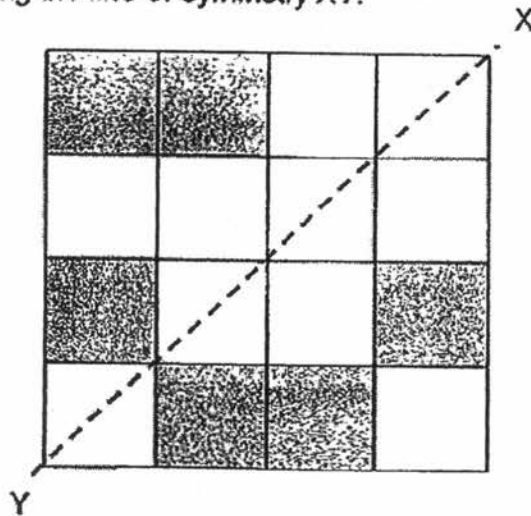
Ans: _____ h _____ min

13 (Go on to the next page)

34. Name the angle that is equal to 105°.

Ans: ∠ _____

35. Shade **two** squares in the figure below to ensure that the figure is symmetrical along the line of symmetry XY.

14   (Go on to the next page)

36. A supermarket has a special offer for potato chips.

$3.75 per packet

3 packets for $8.40

Mr Chandran wants to buy 5 such packets of potato chips. What is the least amount of money he has to pay?

Ans: $_____

(Go on to the next page)

For Questions 37 to 44, show your working clearly in the space provided for each question 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. 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.

(28 marks)
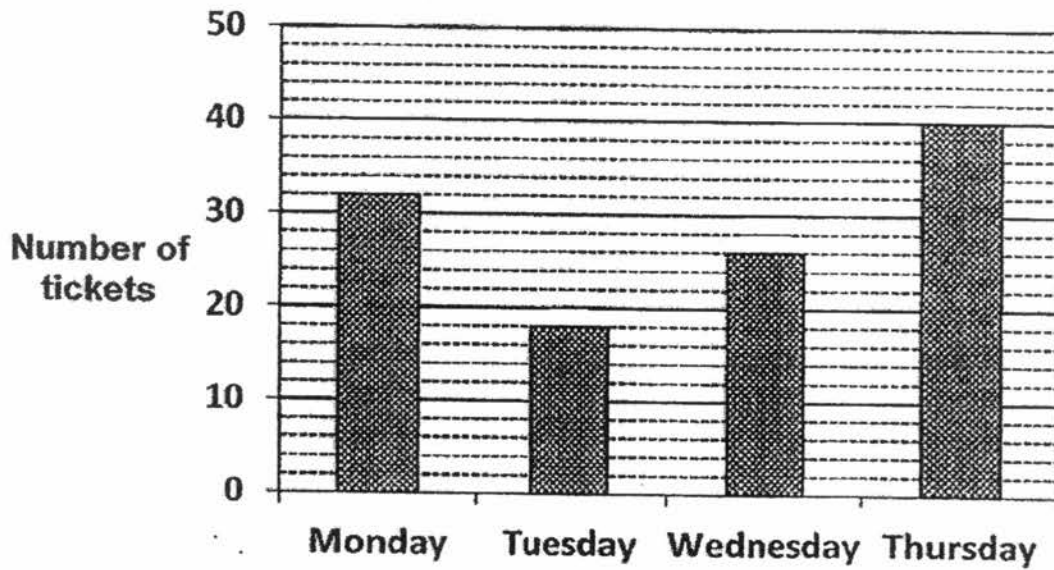
37.   A computer cost twice as much as 1 printer.
       Mrs Ong bought 3 such computers and 3 such printers for $3150.
       What is the cost of 1 computer?

Ans: _____ [3]

(Go on to the next page)

38. The bar graph below shows the number of museum tickets sold from Monday to Thursday.

Each ticket cost $8. How much money was collected from all the tickets sold from Monday to Thursday?

Ans: _____ [3]

(Go on to the next page)

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39. A ruler and 3 similar pens cost $9.00. 1 such ruler and 1 such pen cost $4.00. What is the cost of 1 such ruler?

Ans: _____ [3]

(Go on to the next page)

40. Edison sold 208 tickets during a carnival. Fahmy sold twice as many tickets as Edison. Dan sold 185 fewer tickets than Fahmy. How many tickets did the three pupils sell altogether?

Ans: _____ [3]

41. Lynn paid $86 for a total of 24 pens and staplers. Each pen cost $3 and each stapler cost $5. How many pens did she buy?

Ans: _____ [4]

(Go on to the next page)

42. At a funfair, $\frac{1}{3}$ of the people were men, $\frac{2}{9}$ of the people were women and

the rest were children.

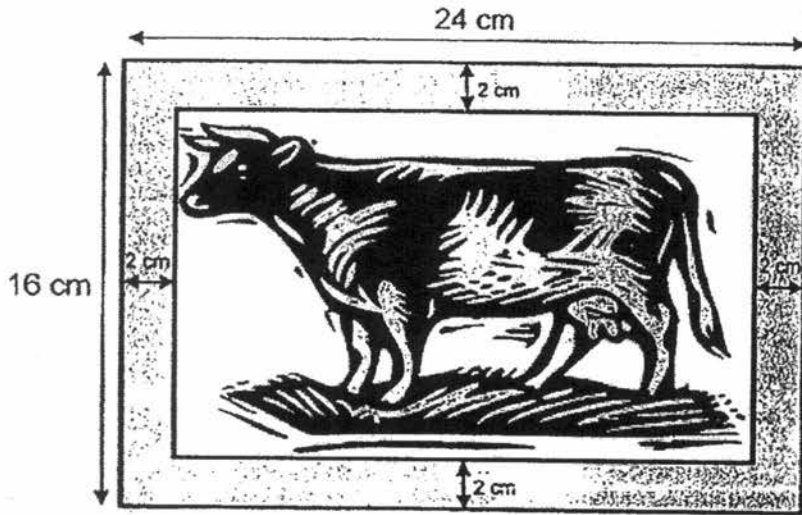(a) What fraction of the people were children?

(b) If there were 56 children at the funfair, how many people were at the
funfair altogether?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)
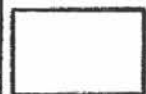
43. A picture frame measures 24 cm by 16 cm. There is a border of 2 cm around the picture. Find the area of the border.

24 cm

16 cm

2 cm

2 cm

2 cm

Ans: _____ [4]

44. Randy and Michelle had a total of $240. After Michelle gave Randy
    $51.20, Randy had 3 times as much money as Michelle. How much
    money did Randy have first?

Ans: _____ [4]

End of Paper

EXAM PAPER 2017 (P4)

SCHOOL : ROSYTH

SUBJECT : MATHEMATICS

TERM : SA2

ORDER CALL :

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

16)11400   17)5 and 10   18)3/5   19)1/6   20)5/6., 2/3 , 7/12

21)23°   22)0.005   23)3/10   24)24   25)12

26)45°   27)155cm   28)2013 and 2014   29)3¼m

30)48cm

31)Area of Y = 5 x 5 = 25cm2

   Area of X = 25 x 5 = 125cm2

32)Packed = 9 x 0.45 = 4.05 kg

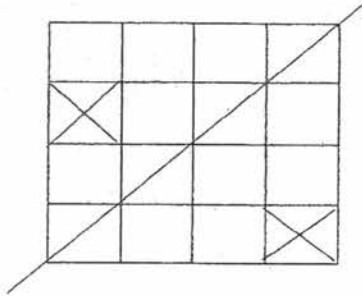   Left = 6 – 4.05 = 1.95 kg

33)2 h 55 min

34)EBG

35)

36) combo 1 = 3.75 x 5 = $8.75

Combo 2 = 8.40 + (3.75x2)

= 8.40 + 7.50 = $15.90

37) 9u = $3150

1u = 3150 ÷ 9 = $350

2u = 350 x 2 = $700

The cost of 1 computer is $700

38) No. of ticket sold = 40 + 32 + 26 + 18 = 116

Money collect = 116 x 8 = $928

$928 was collected from all the tickets sold.

39) 2 pens = 9.4 = $5

1 pen = 5 ÷ 2 = $2.50

Ruler = 4 − 2.5 = $1.50

The cost of 1 ruler is $1.50

40) 1u = 208

5u = 2 x 208 = 1040

Total = 1040 − 185 = 855

They sold 855 tickets altogether.

41) Assume all are staplers

   Total = 24 x 5 = $120

   Extra = 120 − 86 = $34

   Diff = 5 − 3 = $2

   Opposite = 34 ÷ 2 = 17

   She bought 17 pens.

42) a) 4u = 4/9

      4/9 of the people were children.

    b) 4u = 56

       1u = 56 ÷ 4 = 14

       Total = 14 x 9 = 126

    There were 126 people altogether

43) L = 24 − 4 = 20cm

    B = 16 − 4 = 12

    Big = 24 x 16 = 384

    Small area = 20 x 12 = 240

    Area of border = 384 − 240 = 144cm2

44) 4u = $240

    1u = 240 ÷ 4 = $60

    Extra = 60 − 51.20 = $8.80

    Randy at first = (2x60) + 8.80

    = 120 + 8.80 = $128.80

    Randy had $128.80 at first.