Rosyth School
First Semestral Assessment 2014
Primary 6 Mathematics

Name: _____ Register No. _____

Class: Pr 6 - _____

Date: 12th May 2014 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet A)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. Shade your answers in the Optical Answer Sheet (OAS) provided.
4. You are **not** allowed to use a calculator
5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

*** This booklet consists of 8 pages (including this cover page)**

Questions **1** to **10** carry 1 mark each. Questions **11** to **15** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(20 marks)

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1. A number becomes 4 000 when rounded off to the nearest hundred. Which of the following could the number be?

   (1) 3 919

   (2) 3 988

   (3) 4 099

   (4) 4 181

2. Which of the following fractions is the largest?

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

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

   (3) $\frac{7}{11}$

   (4) $\frac{5}{12}$

3. 5 km 10 m = _____ km

   (1) 5.001

   (2) 5.01

   (3) 5.1

   (4) 5 010

4. What is the missing number in the box?

$$4 : 18 = \boxed{?} : 45$$

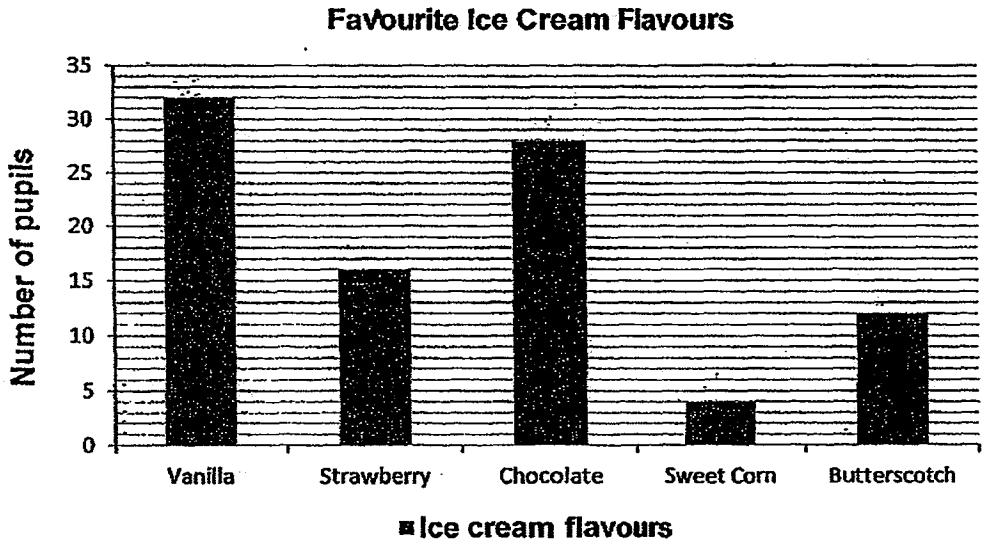
(1) 5

(2) 2

(3) 10

(4) 20

5. The bar graph shows the favourite ice cream flavour of a group of children.



What is the difference between the most favourite and least favourite flavours?

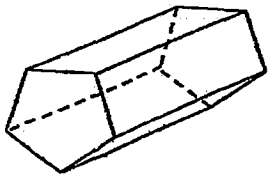
(1) 28

(2) 32

(3) 36

(4) 4

6. How many faces does the following solid have?



(1) 5

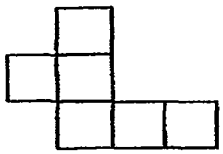
(2) 6

(3) 7

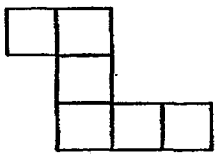
(4) 4

7. Which of the following is a net of a cube?

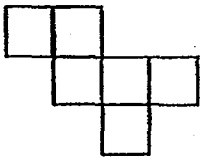
(1)



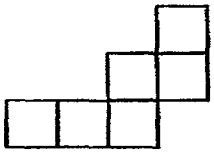
(2)



(3)



(4)



8. Find the value of $40 + (5r - 3) \times 3$, given that $r = 3$.

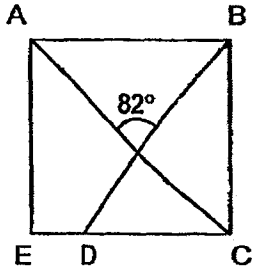
(1) 46

(2) 49

(3) 76

(4) 156

9. ABCE is a square. AC and DB are straight lines. Find $\angle ABD$.



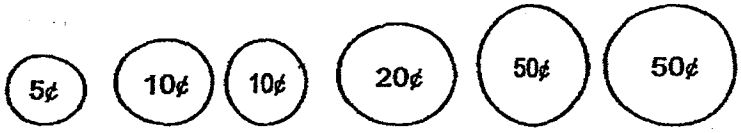
(1) 45°

(2) 49°

(3) 53°

(4) 98°

10. Zack had the following coins in his wallet.



He used three of the coins to pay for a pack of sweets. Which of the following amount could not be the price of the pack of sweets?

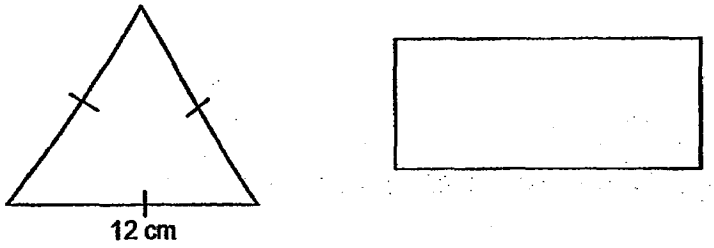
(1) 65¢

(2) 90¢

(3) $1.05

(4) $1.20

11. The equilateral triangle and the rectangle shown below have the same perimeter. The length of the rectangle is twice its breadth.
If the side of the triangle is 12 cm, what is the breadth of the rectangle?



(1) 6 cm

(2) 2 cm

(3) 9 cm

(4) 18 cm

12. Agnes and Mandy collect stickers. $\frac{3}{5}$ of Agnes' stickers is equal to $\frac{2}{5}$ of Mandy's stickers. If Agnes has 30 stickers, how many stickers do they have altogether?

(1) 45

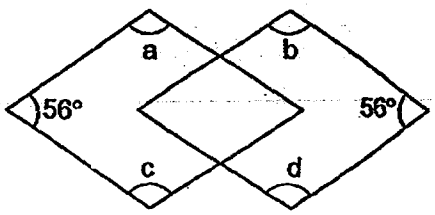
(2) 75

(3) 3

(4) 150

13. The figure below is made up of identical rhombuses.

Find $\angle a + \angle b + \angle c + \angle d$.



(1) 224°

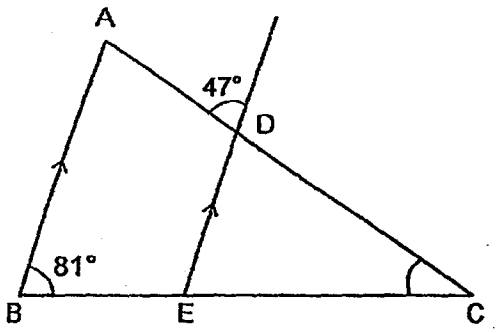
(2) 248°

(3) 272°

(4) 496°

14. In the figure below, ABC is a triangle. DE is a straight line, parallel to AB.

Find $\angle ECD$.



(1) 18°

(2) 34°

(3) 52°

(4) 128°

15. The ratio of number of magazines to number of books on a shelf is 5 : 7.
10 more magazines are added while 4 books are removed from the shelf.
The number of magazines and books are the same now.
How many books are there on the shelf at first?

(1) 35

(2) 45

(3) 49

(4) 98

Go on to Booklet B

Rosyth School
First Semestral Assessment 2014
Primary 6 Mathematics

Name: _____ Register No. _____

Class: Pr 6 - _____

Date: 12th May 2014 Parent's Signature: _____

Total Time for Booklets A and B : 50 minutes

PAPER 1
(Booklet B)

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. You are **not** allowed to use a calculator
4. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	20	

*** This booklet consists of 8 pages (including this cover page)**

Questions **16** to **25** carry **1** mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

16. How many sixths are there in $4\frac{2}{3}$?

Ans: _____

17. Find the difference between 75 tenths and 218 hundredths.

Ans: _____

18. The table below shows the sale of coupons for a school carnival.

Category	Coupon prices (in dollars)	Number of coupons sold
A	$2	2 015
B	$5	923
C	$10	376

Which category of coupons fetched the greatest amount of money?

Ans: Category _____

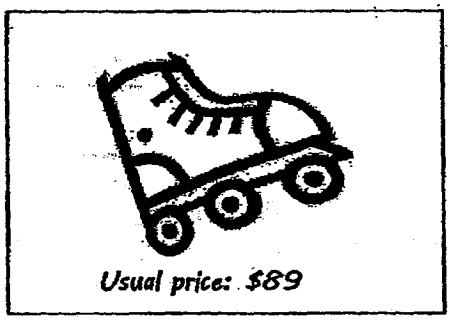
19. Express $\frac{5}{9}$ of 2.7 ℓ in millilitres.

Ans: _____ ml

20. Mrs Tan started baking at 10.45 a.m. It took her $2\frac{1}{2}$ h.
What time did she finish baking?

Ans: _____ p.m.

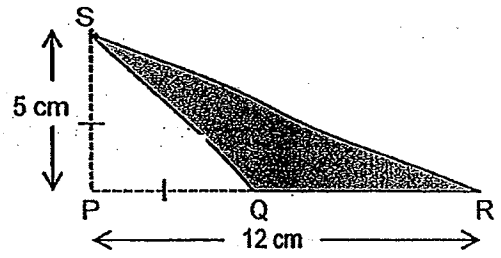
21. Farhan bought a pair of roller blades at 30 % discount.
How much did he pay for it?



Ans: $ _____

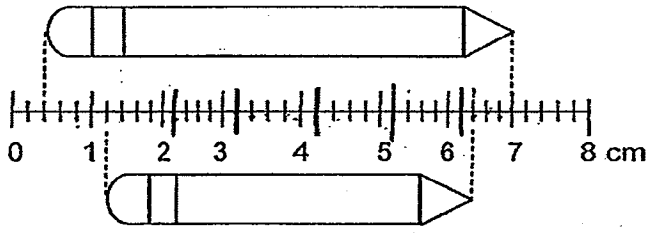
22. In the figure below, PQR is a straight line.

What is the area of the triangle SQR?



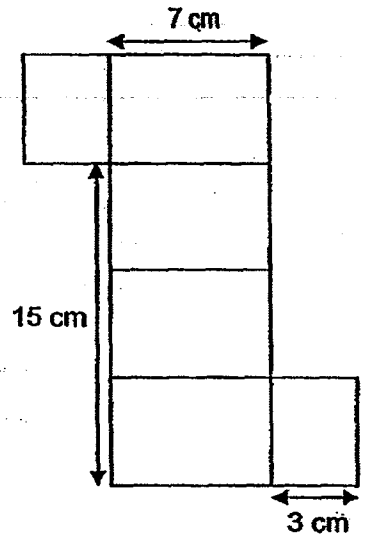
Ans: _____ cm^2

23. Two pencils are placed next to a scale.
What is the total length of the two pencils?



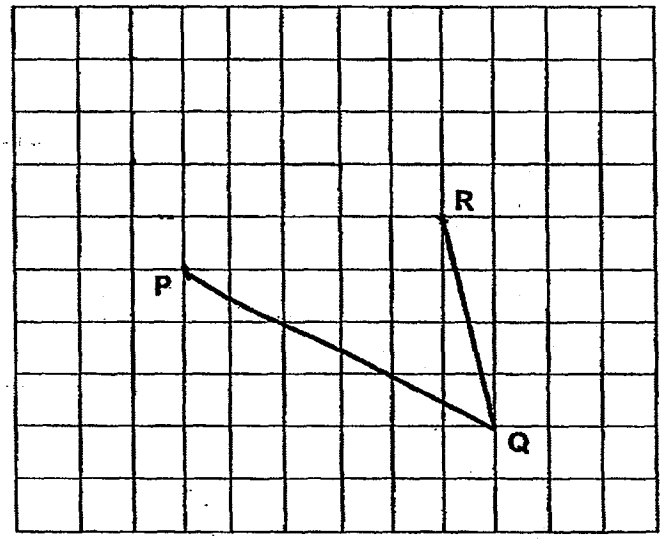
Ans: _____ cm

24. The net shown below can be folded to form a cuboid.
What is the volume of cuboid?



Ans: _____ cm^3

25. PQ and QR are two sides of a parallelogram. Complete the parallelogram by drawing the other two sides in the square grid below.



Questions **26** to **30** carry 2 marks each. Show your workings 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.

(10 marks)

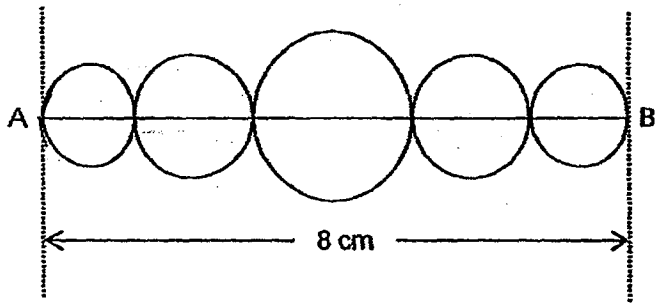
26. The average of 6 consecutive odd numbers is 54.
What is the largest of the 6 numbers?

Ans: _____

27. Tina had 90 sweets. She gave $3p$ sweets to her sister. Then she gave the rest to her four friends and they shared equally among themselves. How many sweets did each friend get? Leave your answer in terms of p.

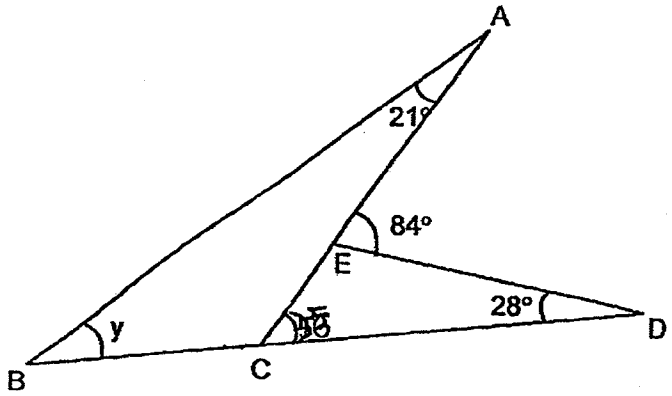
Ans: _____

28. The figure is made up of 5 circles arranged in a straight line.
Line AB passes through the centre of the 5 circles.
What is the total perimeter of the figure?
(Take $\pi = 3.14$)



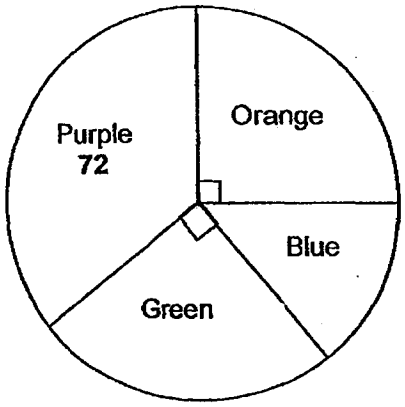
Ans: _____ cm

29. The figure below is not drawn to scale. AEC and BCD are straight lines.
Find the value of $\angle y$.

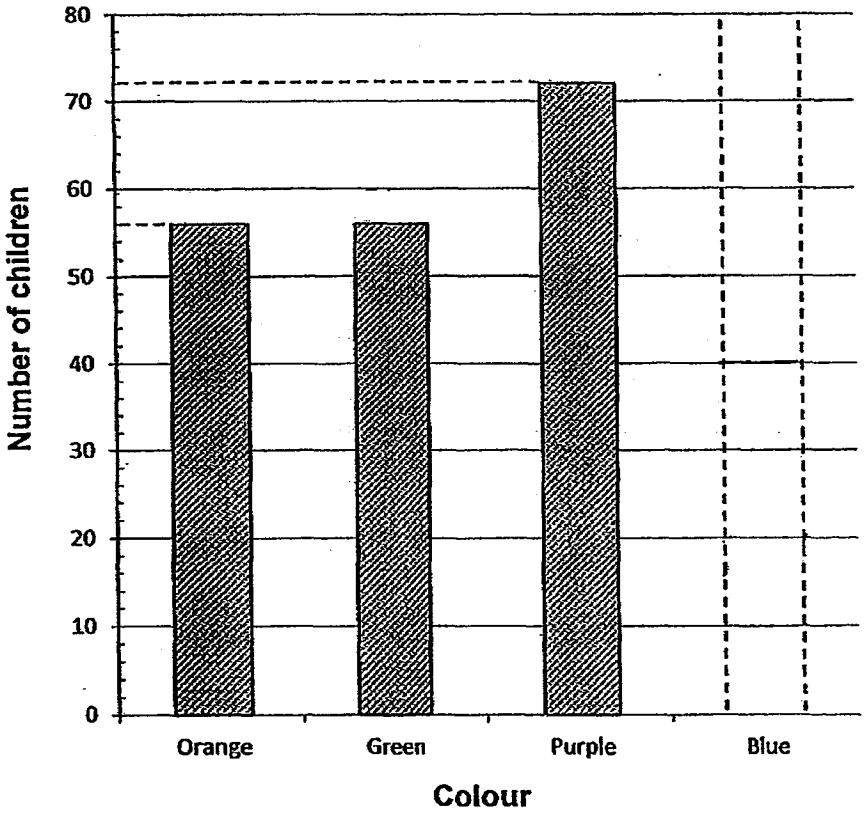


Ans: _____ °

30. Sarsa pens were available in 4 colours: blue, orange, green and purple. During a carnival, each child got to choose one pen. The pie chart shows the children's choice of pen colours.



The number of children who made their choice for each colour is also shown in the bar graph below. The bar that shows the number of children who chose blue was not drawn. Complete the bar graph by drawing the bar for this colour in the graph below.



End of paper. Have you checked your work?

Answer Ke

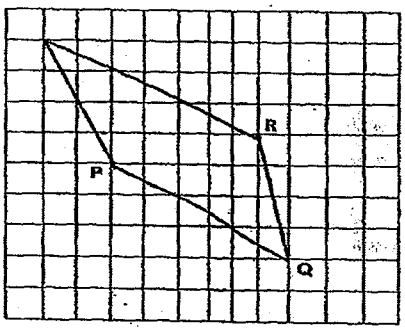
EXAM PAPER 2014
SCHOOL : ROSYTH
PRIMARY : P6
SUBJECT : MATHEMATICS
TERM : SA1

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

16)28 **17)5.32** **18)B** **19)1500 ml** **20)1.15 p.m.**

21)$62.30 **22)17.5 cm^2** **23)11.8 cm** **24)105 cm^3**

25)



26)59 **27)$\frac{90-3p}{4}$** **28)25.12 cm**

29)35° **30)blue = 40**