Rosyth School
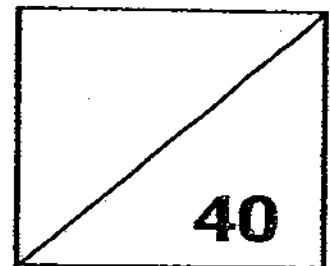## Primary 6 Mathematics
Continual Assessment Revision 2009
PAPER 1

Name: _____

Class: Pr 6-_____   Register No. _____

40

Duration for Booklets A & B: **50 min**

Date:_____

BOOKLET A

Instructions to Pupils:
1. Follow all instructions carefully.
2. Answer all questions. Write your answers in this booklet.
3. **You are not allowed to use a calculator.**

P6 CA1 Revision-Paper 1

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) and write it down legibly.
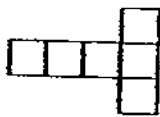
(20 marks)

1) Which one of the following numbers when rounded to the nearest ten is 64 800?

    (1)   64 803

    (2)   64 806

    (3)   64 813
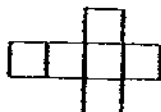
    (4)   64 816

2) Oranges were sold at 5 for $2. How much change did Mrs Tan get if she paid the cashier $50 for 30 oranges?

    (1) $10

    (2) $12

    (3) $20
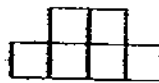
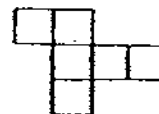   (4) $38

3) Which of the following is not a net for a cube?

    (1)   A

    (2)   B

    (3)   C

    (4)   D

4) Find the value of $30 - 2v$ when $v = 4$.

  (1) 6

  (2) 22

  (3) 24

  (4) 26

5) Simplify $10a + 20 - 5a + 5$.

  (1) $5a + 15$

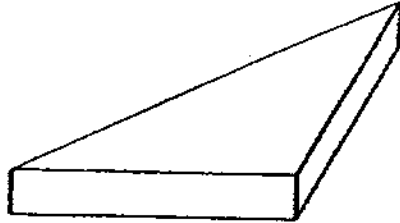 (2) $5a + 25$

  (3) $15a + 15$

  (4) $15a + 25$

6) If 9 files cost $\$y$, what is the cost of 5 files?

  (1) $\$45y$

  (2) $\$(\frac{5y}{9})$

  (3) $\$(\frac{9y}{5})$

  (4) $\$(\frac{y}{45})$

7) Express $2\frac{3}{7}$ as a decimal. Express your answer correct to 2 decimal places.
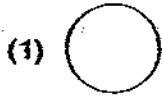
  (1) 2.37

  (2) 2.42

  (3) 2.43

  (4) 2.73

2

8) The figure shows a solid.

How many triangular faces does it have?

(1) 1

(2) 2

(3) 3

(4) 5

9) If Jia Hui's savings is $\frac{5}{6}$ of Denise's savings, what is the ratio of Jia Hui's savings to their total savings?

(1) 5 : 6

(2) 5 : 11

(3) 6 : 5

(4) 6 : 11

10) Which of the following shapes can tessellate?

(1)

(2)

(3)

(4)

11) The table below shows the marks scored by four students in a Mathematics test. The average mark scored by them was 79.

Student	Min Ting	Don	Karen	Darren
Marks scored	81	?	65	?

If Darren scored 6 marks more than the average score, what was Don's score?

(1) 80

(2) 82

(3) 85

(4) 88

12) A vase is $\frac{3}{4}$ full of water. This amount is equivalent to 5 cupfuls of water. When 2 full cups of water are poured out, what fraction of the vase is still filled with water?

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

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

(3) $\frac{9}{10}$

(4) $\frac{9}{20}$

4

13) Miss Danker baked some cookies. She gave $\frac{1}{10}$ of them to her mother. Her friends ate 36 pieces. She was then left with $\frac{3}{4}$ of the cookies she had made. How many cookies did she have left?

(1) 48

(2) 180

(3) 240

(4) 480

14) Barney had 40 m of cloth. He wants to cut it into equal pieces, each measuring $\frac{4}{5}$ m. How many smaller pieces of cloth would he have?

(1) 50

(2) 40

(3) 32

(4) 30

15) $\frac{1}{4}$ of Gerald's money is $\frac{1}{3}$ of Faheem's money. What is the ratio of Gerald's money to Faheem's money?

(1) 3 : 7

(2) 3 : 4

(3) 4 : 7

(4) 4 : 3

——END OF BOOKLET A——

BOOKLET B

Instructions to Pupils:
1. Follow all instructions carefully.
2. Answer all questions. Write your answers in this booklet.
3. **You are not allowed to use a calculator.**

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) Find the value of $81 \div (4 + 5) - 3 \times 2$

Ans: _____

17) How many fifths are there in $4\frac{4}{5}$?

Ans: _____

18) A fraction when multiplied by 5 and then divided by 6 will give a result of $\frac{3}{8}$. What is the fraction? Express the answer in its simplest form.
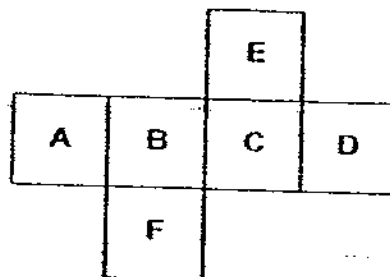
Ans: _____

6

19) Faris had five times as many postcards as Kristy. If Kristy has n postcards, express the total number of postcards they have in terms of n.

Ans: _____

20) Calculate: $\dfrac{5}{12} \div \dfrac{8}{9}$

Ans: _____

Use the net of a cube below to answer Questions 21 and 22.

21) After folding the net above into a cube, name the face that is opposite of "A".

Ans: _____

22) Each face has 4 edges. Faces "A", "C" and "F" each share an edge of face "B" after folding the net above into a cube.
Name the other face that share an edge with face "B".

Ans: _____
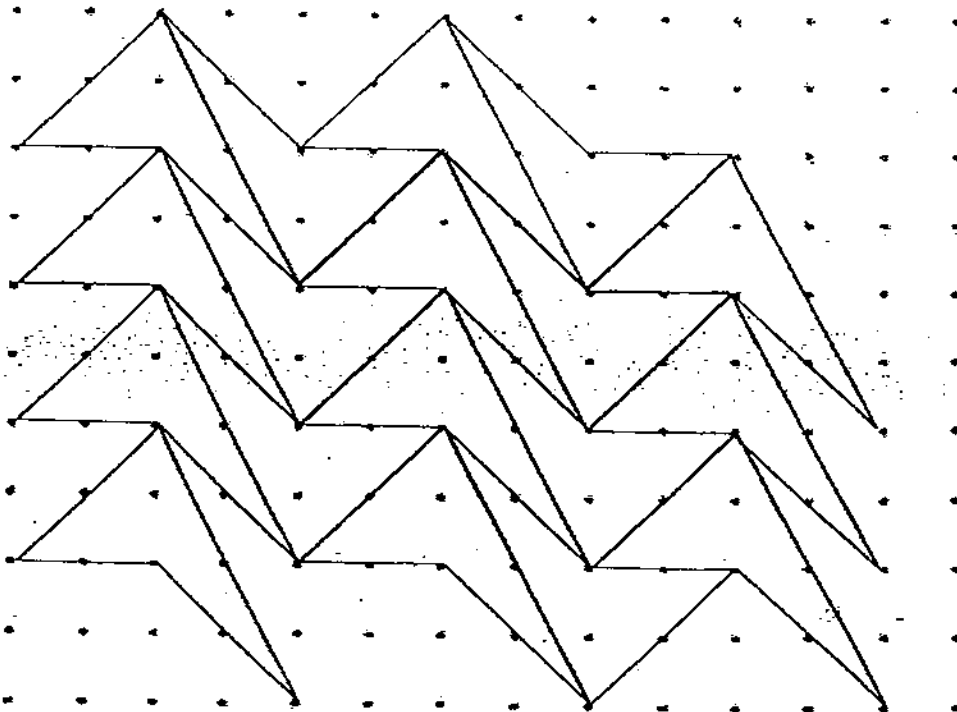
7

23) Melissa and Dinah shared $91. For every $4 that Melissa received, Dinah received $9. How much did Dinah get?

Ans: $ _____

24) A : B = 3 : 2.
B : C = 5 : 7.
What is A : C ?

Ans: _____

25) The pattern in the box shows part of a tessellation. Extend the tessellation by drawing two more unit shapes in the space provided within the box.

Questions 26 to 30 carry 2 marks each. Show your working clearly in the space below 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) Jonathan is m years old now. His father is 20 years older than him. What would their total age be in 4 years' time? Express your answer in terms of m.

Ans: _____ years old

27) The average mass of 7 durians is w kg. If the total mass of 3 durians is 8 kg, what is the average mass of the remaining durians in terms of w?

Ans: _____ kg

28) Shanna cut 8 pieces of ribbon, each measuring 5 cm, from b metres of ribbon. What length of the ribbon is left? Express your answer in metres.

Ans: _____ m

9

29) Suzy bought 12 stickers from Singapura Bookshop. The price of each sticker was the same. If the price of 1 sticker was cheaper by 5-cents, she could have bought 4 more stickers at the cheaper price. How much did she spend on the 12 stickers?

Ans: $ _____

30) $\frac{1}{3}$ of a cup is filled with orange juice. The juice is then poured into an empty jug which has a volume 4 times that of a cup. What fraction of the jug is filled with juice?
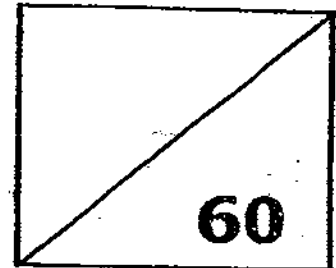
Ans: _____

----END OF PAPER 1----

Rosyth School
Primary 6 Mathematics
Continual Assessment Revision 2009
PAPER 2

Name: _____

Class: Pr 6-_____   Register No. _____

Duration: **1h 40 min**

Date: _____

60

Instructions to Pupils:
1. Follow all instructions carefully.
2. Answer all questions. Write your answers in this booklet.
3. Show your working clearly as marks are awarded for correct working.
4. You are <u>allowed</u> to use a calculator.

CA1 Revision Paper 2

Questions 1 to 5 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

1) The ratio of the perimeter of Square A to the perimeter of Square B is 1 : 4. If the perimeter of Square B is 64 cm, find the difference between the areas of the two squares.

Ans: _____ cm^2

2) Clara bought 1000 ml of mineral water. She drank 320 ml and her mother drank $\frac{3}{20}$ of the remainder. How much mineral water did her mother drink?

Ans: _____ mℓ

3) The average age of Sarvin and his father is 45 years. Given that Sarvin is $\frac{1}{4}$ as old as his father, how old is Sarvin now?

Ans: _____ years old

4) At a party, the ratio of the number of boys to the number of girls was 8 : 3. There were 15 more boys than girls. If 6 more boys joined the party, how many boys are there now?

Ans: _____

5) Ann has $\frac{3}{2}$ as many marbles as Benny. Carl has 2 times as many marbles as Benny.

(a) What is the ratio of the number of marbles Ann has to the number of marbles Benny has?

(b) What is the ratio of the number of marbles Carl has to the total number of marbles the three children have?

Ans: (a) _____ (1 m)

Ans: (b) _____ (1 m)

2

For questions 6 to 18, 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.

(50 marks)

6) Lynette, Vinitha and Carissa have $865 altogether. Lynette spends $\frac{2}{5}$ of her money.

Vinitha spends $40 and Carissa spends twice the amount of what Lynette has spent. If they have the same amount of money left, how much money did Carissa have at first?

Ans:_____ [3]

7) Some boys shared a packet of onion rings. If each boy eats 10 rings, there will be 3 rings short. If each boy takes 9 rings, there will be 4 rings extra. How many pieces of onion rings are there in the packet?

Ans:_____ [3]

3

8) Melvin had a bag of sugar. His family used an equal amount of sugar each day. After 3 days, he had $\frac{4}{5}$ of the sugar left. After another 5 days, he had 7 kg of sugar left. How much sugar was in the bag at first?

Ans:_____ [3]

9) A book costs $ m and a file costs $6 less than a book.

(a) What is the cost of 1 book and 1 file?
Express your answer in terms of m in its simplest form.

(b) Joshua paid $10 for 1 book and 1 file. If the book costs $7, how much change would Joshua receive from the cashier?
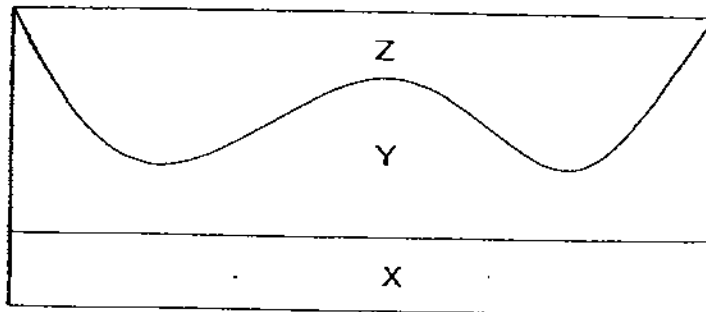
Ans: (a)_____ [1]

(b)_____ [2]

4

10) In January, Mrs Krishnan spent \$360 on groceries. In February, she spent $\frac{9}{10}$ of the amount she spent in January. In March, she spent $\frac{3}{4}$ of the total amount she spent in the previous 2 months. How much did she spend on groceries in the 3 months altogether?

Ans:_____[3]

11) -

In the figure above, not drawn to scale, the area of X is $\frac{1}{4}$ of the whole rectangle. The ratio of Area Y to Area Z is 5 : 4. What is the ratio of Area X to Area Y to Area Z?

Ans:_____[3]

12) An equal number of male and female runners took part in the National Education Marathon last year. 980 male runners and 350 female runners quit running and did not complete the marathon. The number of male runners left was $\frac{1}{6}$ the number of female runners. What was the total number of runners at the start of the marathon?

Ans: _____ [4]

13) Jill bought some blue and red markers. $\frac{2}{3}$ of the markers she bought were blue and the rest were red. She gave away $\frac{3}{4}$ of the blue markers and $\frac{1}{4}$ of the red markers, she had 100 markers left. How many markers in all did she buy at first?

Ans:_____[4]

14) Benjamin had 2 bags of sweets. After transferring $\frac{1}{10}$ of the sweets in Bag B to Bag A, the ratio of the number of sweets in Bag A to that in Bag B becomes 1 : 3. What was the ratio of the number of sweets in Bag A to that in Bag B at first?

Ans:_____[4]

15) At first, Shop X has 156 kg of rice flour and Shop Y has 72 kg of rice flour. After each shop sold the same quantity of rice flour, the amount of rice flour that Shop X has was 4 times that of Shop Y. How many kilograms of rice flour did Shop X sell?

Ans: _____[5]

16) Mr Singh had $315 worth of concert tickets. He sold 4 adult tickets and 3 child tickets. Each adult ticket is $1\frac{1}{2}$ times as much as a child ticket. If the value of the tickets Mr Singh had left is $\frac{3}{7}$ of the original amount, what is the cost of a child ticket?

Ans:_____[5]

10

17) Jerrick and Edan each bought a number of trading cards. Jerrick gave away $\frac{1}{12}$ of his trading cards to Edan and had 165 cards left.

(a) How many trading cards did Jerrick give Edan?

(b) If the number of cards given to Edan was $\frac{1}{3}$ of what Edan had, find the number of cards Edan had at first.

(c) After receiving the cards from Jerrick, Edan gave $\frac{2}{5}$ of his cards to Jerrick. Find the ratio of the number of cards Jerrick had after this to the total number of cards bought by the two boys.

Ans: (a)_____[1]

(b)_____[1]

(c)_____[3]

11

18) There were 500 cubes and marbles in a container. The ratio of the number of cubes to the number of marbles was 7 : 18. After Candia took out 45 cubes from the container and put in some marbles, $\frac{4}{5}$ of the objects in the container were marbles.

(a) How many cubes were left in the container?

(b) How many marbles did Candia put in?

Ans: (a)_____[2]

(b)_____[3]
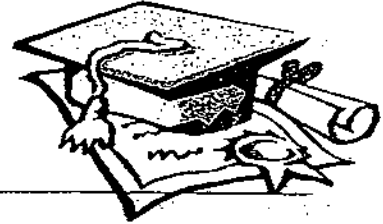
~END OF PAPER~

Have you checked your work thoroughly?

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ANSWER SHEET

EXAM PAPER 2009

SCHOOL : ROSYTH PRIMARY
SUBJECT : PRIMARY 6 MATHEMATICS

TERM   : CA1

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

16)3   17)24   18)9/20   19)6n   20)15/32
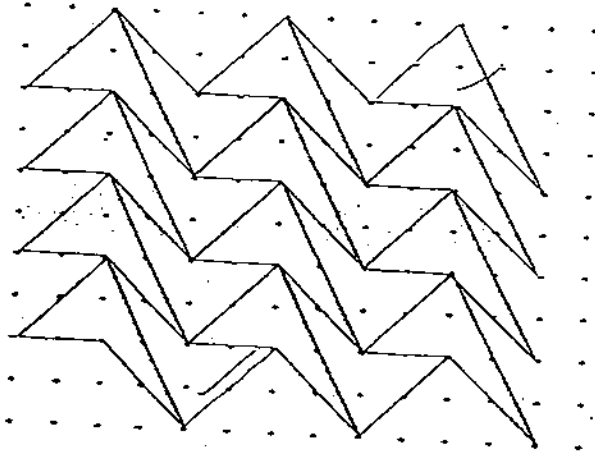
21)C   22)E   23)$63   24)15:14

25)

26)(2m+28)   27)(7w-8/4)

28)(b-0.4)m   29)$2.40

30)1/12

paper 2

1)16x16=256 4x4=16 256-16=240cm2	2)1000-320=680 3/20 x 680 =102ml
3)45x2=90 90÷5=18 years old	4)15÷5=3 3x8=24 24+6=30
5)a)3:2 b)4:9	6)865-40=825 825÷15=55 55x7=385
7)67	8)1/5÷3=1/15 1/15 x 8 = 8/15 7÷7=1 1x15=15kg
9)a)$(2m-6) b)$2	10)$1197
11)3:5:4	12)980-350=630 630÷5=126 126+980=1106 1106x2=2212
13)100÷5=20 20x12=240	14)1:5
15)156-112=44 Shop X sold 44kg	16)315÷7=45 45x3=135 180÷18=10 10x2=$20
17)a)15 b)45 c)21:25	18)a)95 b)20