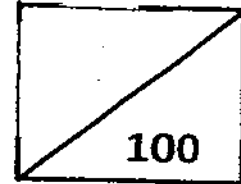




Rosyth School  
Second Semestral Assessment 2009  
Mathematics  
Primary 3



Name: \_\_\_\_\_

Class: Pr 3 \_\_\_\_\_ Register No. \_\_\_\_\_

Duration: 1 h 45 min

Date: 3 Nov 2009

Parent's Signature: \_\_\_\_\_

Instructions to Pupils:

1. Do not open this booklet until you are told to do so.
2. Follow all instructions carefully.
3. This paper consists of Section A, B and C.
4. For questions 1 to 20 in Section A, shade the correct ovals on the Optical Answer Sheet (OAS).
5. The use of calculator is not allowed.

	Maximum	Marks Obtained
Section A	40	
Section B	40	
Section C	20	
Total	100	

\* This paper consists of 15 pages altogether.

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**Section A (40 marks)**

**Question 1 to 20 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 correct ovals onto the Optical Answer Sheet provided.**

---

1. 6 thousands 35 hundreds and 2 tens = \_\_\_\_\_

- (1) 6320
- (2) 6352
- (3) 9502
- (4) 9520

2. What is the quotient when you divide 606 by 6?

- (1) 11
- (2) 101
- (3) 3101
- (4) 1013

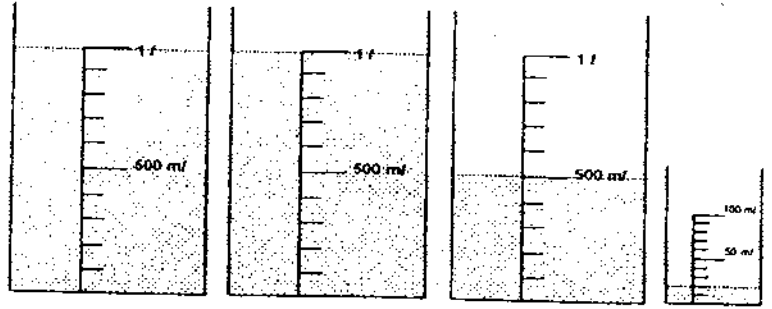
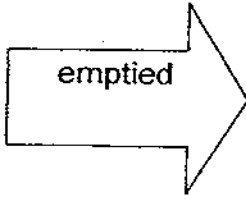
3. What is the equivalent fraction of  $\frac{2}{3}$ ?

- (1)  $\frac{1}{3}$
- (2)  $\frac{4}{5}$
- (3)  $\frac{6}{9}$
- (4)  $\frac{6}{12}$

4. Express 4 kg 40 g in grams.

- (1) 440 g
- (2) 4004 g
- (3) 4040 g
- (4) 4400 g

5.



The capacity of the jug is  l  ml

- (1) 2 l 520 ml
- (2) 2 l 530 ml
- (3) 2 l 700 ml
- (4) 2 l 800 ml

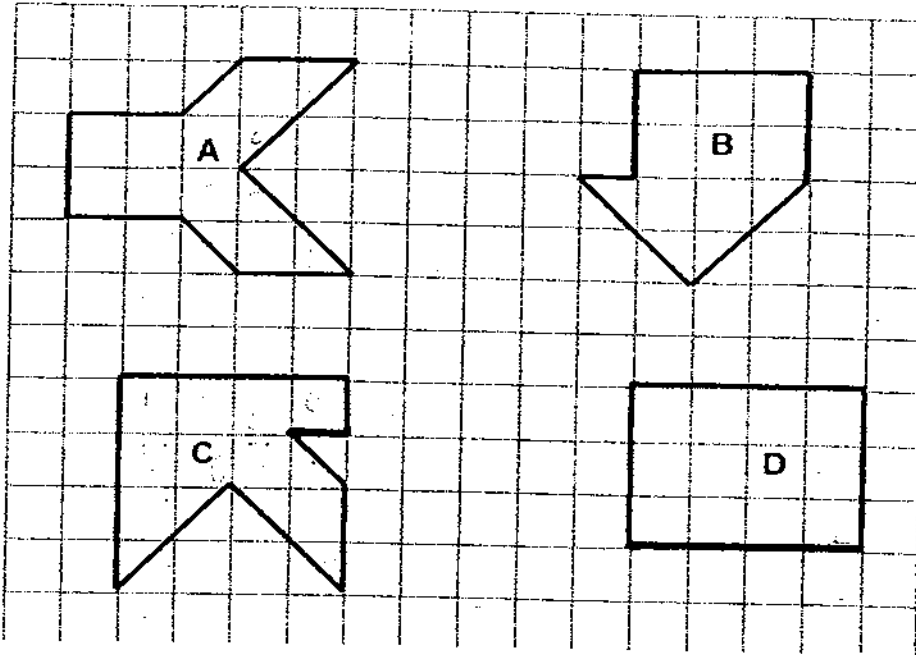
6. How many five-cent coins are there in \$5?

- (1) 10
- (2) 50
- (3) 100
- (4) 500

7. 3 h 18 min = \_\_\_\_\_ min

- (1) 18
- (2) 78
- (3) 198
- (4) 318

8. Which figure, A, B, C or D, has the greatest area?



- (1) A
- (2) B
- (3) C
- (4) D

9. What is 4 hundred more than 2585?

- (1) 2185
- (2) 2581
- (3) 2589
- (4) 2985

10. The sum of 2 numbers is 5000. If one of the numbers is 3600, what is the other number?

- (1) 1400
- (2) 2400
- (3) 2600
- (4) 8600

11. The mass of a container is 36 kg. The mass of 8 boxes is the same as the mass of 2 containers. What is the mass of 1 box?

- (1) 8 kg
- (2) 9 kg
- (3) 72 kg
- (4) 252 kg

12. What is the missing fraction in the box?

$$1 - \frac{3}{4} - \frac{1}{6} = \boxed{\phantom{00}}$$

- (1)  $\frac{2}{3}$
- (2)  $\frac{1}{4}$
- (3)  $\frac{1}{12}$
- (4)  $\frac{5}{12}$

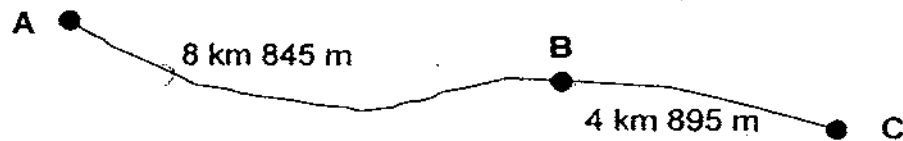
13. Find the sum of  $\frac{5}{8}$  and  $\frac{1}{4}$ .

- (1)  $\frac{3}{8}$
- (2)  $\frac{1}{2}$
- (3)  $\frac{3}{4}$
- (4)  $\frac{7}{8}$

14. Which number sentence will give you the answer 82?

- (1) 8 less than 96
- (2) 20 less than 92
- (3) 7 more than 75
- (4) 16 more than 68

15. A motorist drove from Town A to Town C. He passes through Town B on his trip.



How much further was the distance between Town A and Town B than that between Town B and Town C?

- (1) 3 km 950 m
- (2) 4 km 50 m
- (3) 4 km 150 m
- (4) 13 km 740 m

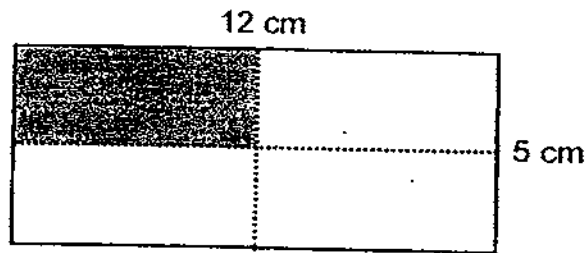
16. Alex spent half of his pocket money on a bowl of noodles and a packet of Milo. The packet of Milo cost \$0.90 and the bowl of noodles cost \$0.80. Find the amount of pocket money he had at first.

- (1) \$0.85
- (2) \$1.70
- (3) \$2.40
- (4) \$3.40

17. A movie lasted for 2 h 15 min. It ended at 1.25 p.m. What time did it start?

- (1) 3.40 a.m.
- (2) 3.40 p.m.
- (3) 11.10 a.m.
- (4) 11.10 p.m.

18. Andy folded a rectangular piece of paper into 4 equal parts as shown below. He shaded one of the parts. What is the area of the shaded part?



- (1)  $15 \text{ cm}^2$   
(2)  $17 \text{ cm}^2$   
(3)  $34 \text{ cm}^2$   
(4)  $60 \text{ cm}^2$
19. In a container, there are 524 red marbles and 340 green marbles. There are 137 more purple marbles than green marbles. How many marbles are there altogether?
- (1) 477  
(2) 864  
(3) 1001  
(4) 1341
20. Ali bought 7 boxes of pencils. Each box contains 24 pieces of pencils. He gave his two friends 6 pencils each. How many pencils had he left?
- (1) 136  
(2) 156  
(3) 162  
(4) 168

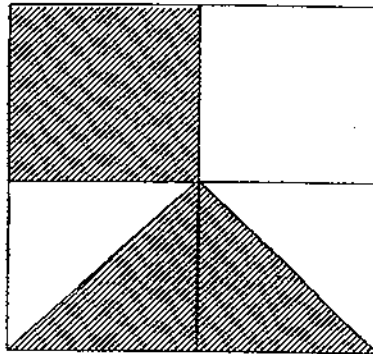
**Section B (40 marks)**

**For each question, show your working clearly in the space below each question and write your answers in the spaces provided. Give your answers in the units stated. Questions 21 to 40 carry 2 marks each.**

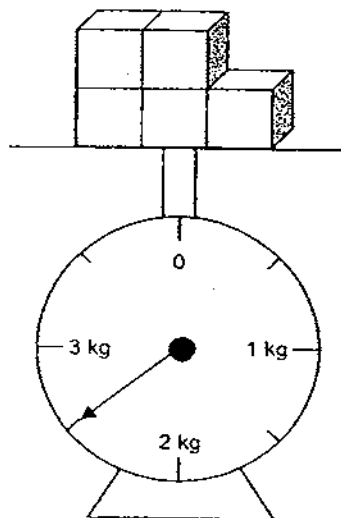
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21. There are 6 cookies in each box. How many boxes of cookies do you need to buy if you want 42 cookies?

22. What is the fraction of the shaded part in the figure below? Express your answer in the simplest form.



23. Read the scale carefully. What is the mass of a box?



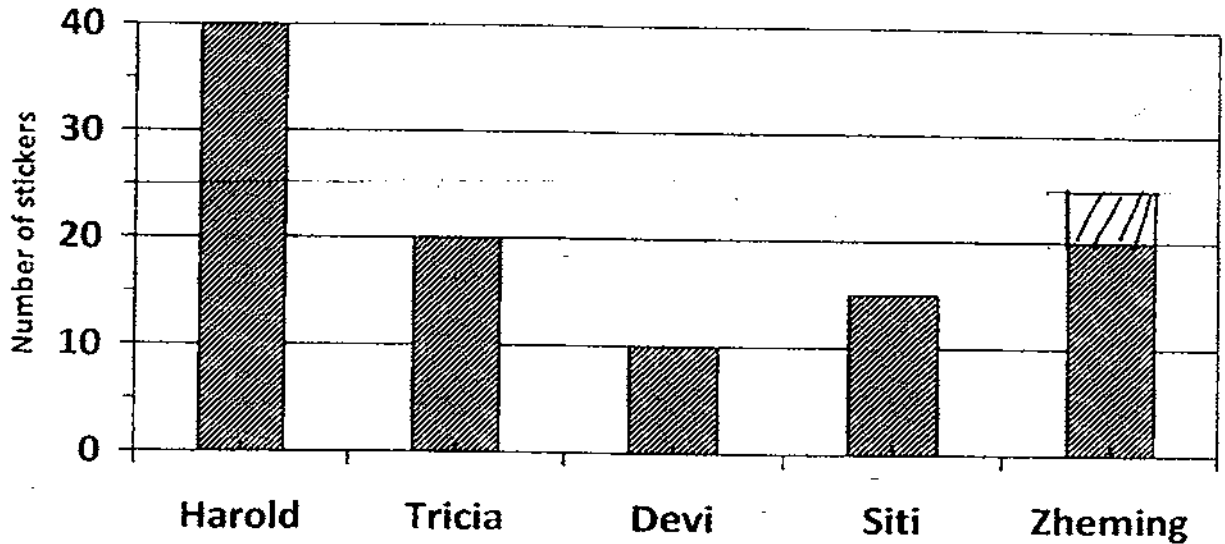


Look at the picture graph and bar graph below and answer questions 24 and 25.

The picture graph shows the number of stickers 5 children had bought.

Harold	★ ★ ★ ★ ★ ★ ★ ★
Tricia	★ ★ ★ ★
Devi	★ ★
Siti	★ ★ ★
Zheming	★ ★ ★ ★ ★
Each ★ stands for 5 stickers	

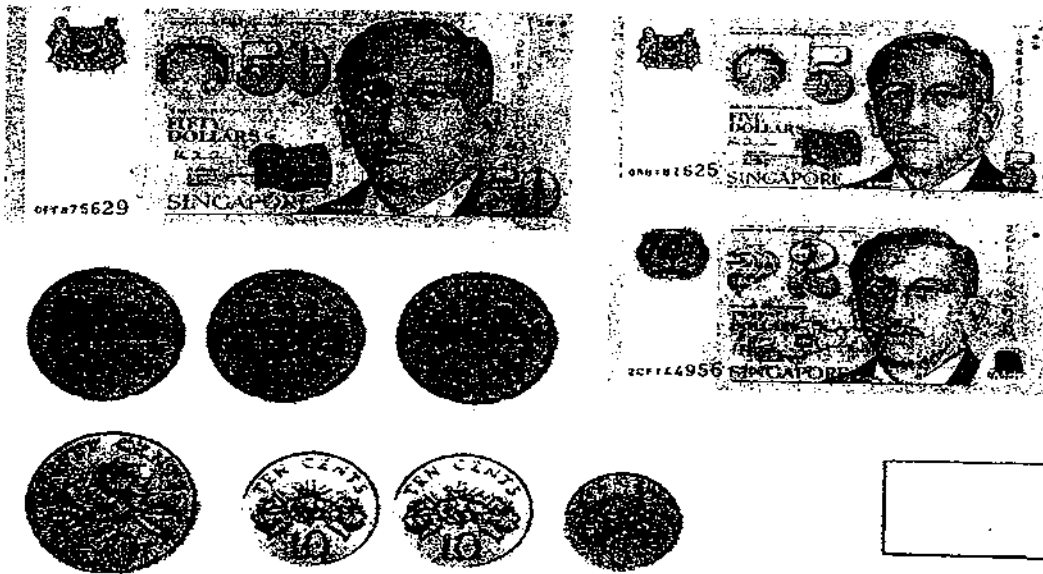
**Number of stickers bought**



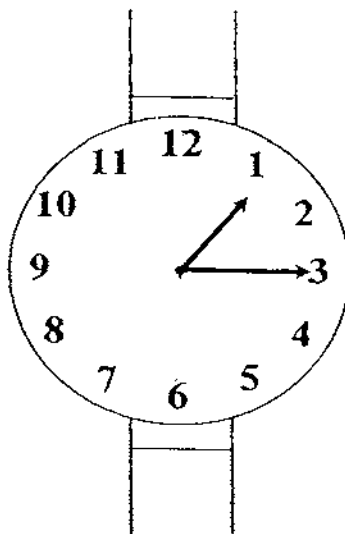
- 24 One of the bars in the graph above has not been plotted correctly. Which child's number of stickers in the bar graph does not match the data in the picture graph?

25. If each sticker cost \$0.10, how much did Harold pay for the stickers he had bought?

26. Express the following sum of money in cents.

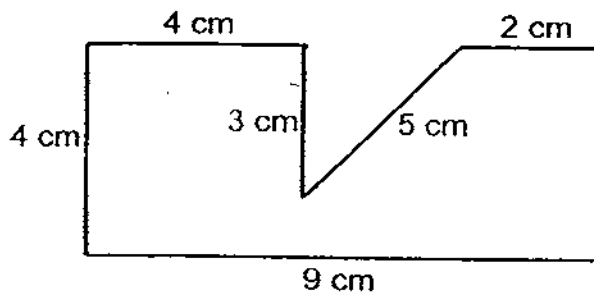


27. Muthu is having lunch. His watch is 15 minutes slow. The actual time is \_\_\_\_\_.



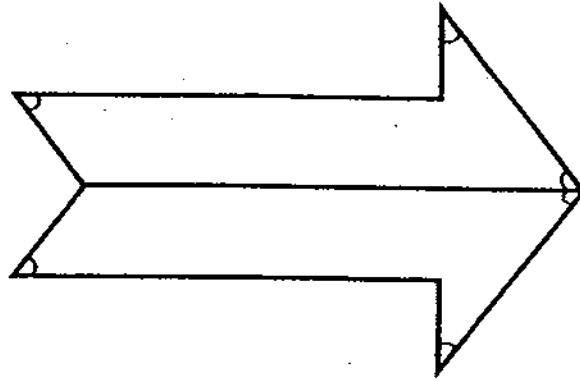
\_\_\_\_\_ pm

28. What is the perimeter of the figure below?

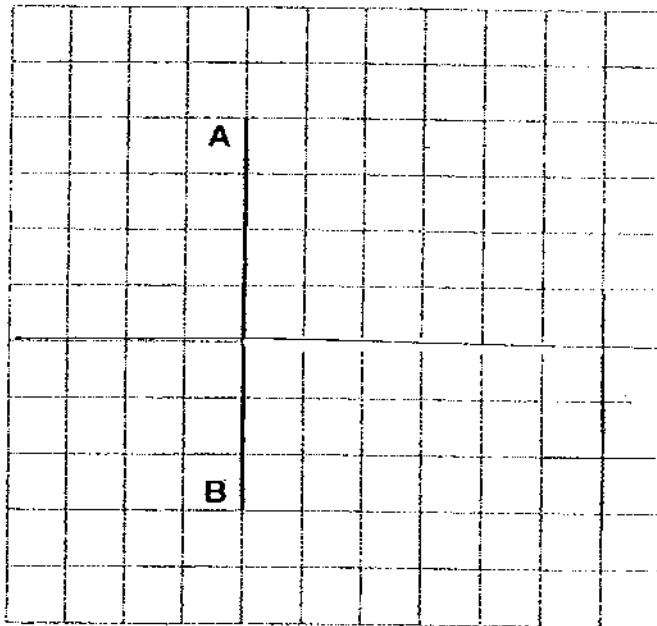


\_\_\_\_\_ cm

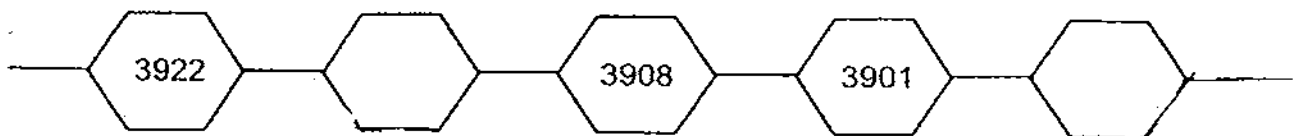
29. Look at the figure below. How many angles are smaller than a right angle inside the figure?




30. Look at the square grid below. Draw a line perpendicular to line  $\overline{AB}$ .



31. Complete the number pattern below.



32. In the stadium, there are 2863 men and 1902 women. How many more men than women are there?

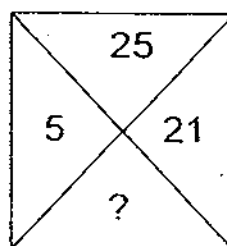
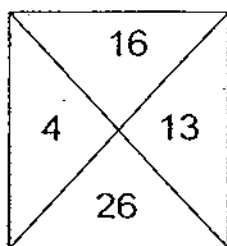
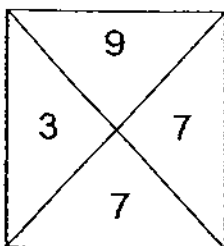
33. When a number is divided by 3, it has a quotient of 325 and a remainder of 2. What is the number?

34. Arrange these fractions in order, beginning with the greatest.

$$\frac{3}{5}, \frac{1}{2}, \frac{3}{4}$$

35. What is the product of 4 hundreds and 8 ones?

36. Look at the pattern and fill in the missing number.



37. There was  $1\frac{1}{250}$  ml of water in a jug at first. When another 950 ml of water were poured into the jug, 465 ml of water flowed out. What is the capacity of the jug?

ml

38. Look at the following digits.



Place all the digits above into the boxes below to get the greatest sum. Each digit can only be used once. Solve the sum.

$$\begin{array}{r}
 \square \quad \square \quad \square \\
 + \quad \square \quad \square \quad \square \\
 \hline
 \\
 \hline
 \end{array}$$

39. Fill in the missing number.

$$\frac{\begin{array}{|c|} \hline 11 \\ \hline \end{array}}{\begin{array}{|c|} \hline 12 \\ \hline \end{array}} - \frac{\begin{array}{|c|} \hline 3 \\ \hline \end{array}}{\begin{array}{|c|} \hline ? \\ \hline \end{array}} = \frac{\begin{array}{|c|} \hline 1 \\ \hline \end{array}}{\begin{array}{|c|} \hline 6 \\ \hline \end{array}}$$

40. Jennifer had \$200. She bought 3 books at \$36.90 each. How much money had she left?

\$

**Section C ( 20 marks)**

***For questions 41 to 45, show your working clearly in the space below each question and write your answers in the spaces provided. The mark for each question is given in brackets.***

---

41. Mrs Tan bought 1154 green straws and 863 yellow straws. Then she bought some blue straws and had a total of 2500 straws. How many more green straws than blue straws were there?

Answer : \_\_\_\_\_ (4 m)

42. The mass of a tin of Milo is 450g more than a mass of 1 packet of sugar. The total mass of 5 such packets of sugar is 450g. What is the mass of the tin of Milo?

Answer : \_\_\_\_\_ (4 m)

43. A basket contains 76 banana muffins and four times as many chocolate muffins. A group of children shared the muffins. If each child gets 4 muffins, how many children are there?

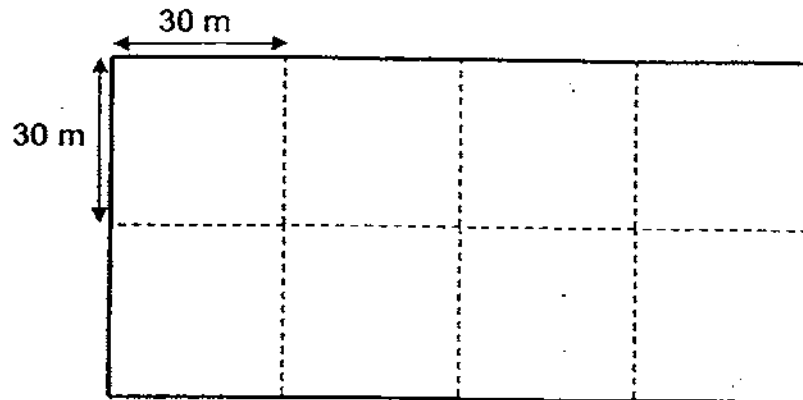
Answer : \_\_\_\_\_ (4 m)



~~44.~~ Mrs Lim spent \$289.80 in a boutique. She bought a handbag, 2 similar pairs of pants and a dress. She paid \$69.90 for the handbag. If the dress cost \$30 more than the handbag, how much was the cost of a pair of pants?

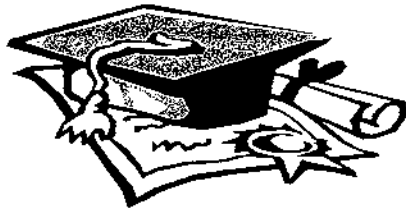
Answer : \_\_\_\_\_ (4 m)

45. In a garden, there are 8 plots of square land situated as shown below. The side of each square plot is 30 m. Every morning, Jim runs 4 rounds around the rectangular land. What is the total distance that Jim runs?



Answer : \_\_\_\_\_ (4 m)

--- END OF PAPER ---  
Check your work carefully!

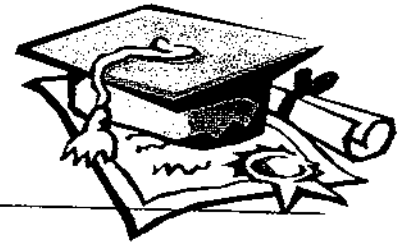


# ANSWER SHEET

**EXAM PAPER 2009**

**SCHOOL : ROSYTH PRIMARY**  
**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SA2**



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	2	3	3	1	3	3	4	4	1	2	3	4	3	1	4	3

Q18	Q19	Q20	Q21	Q22	Q23
1	4	2	7	$\frac{1}{4}$	500g

24) Zheming      25) \$4.00      26) 6075¢      27) 1.30pm      28) 31cm

29) 6      30)

31) 3915,3894      32) 961      33) 9777

34)  $\frac{3}{4}$ ,  $\frac{3}{5}$ ,  $\frac{1}{2}$       35) 3200      36) 63

37) 1L735ml      38)  $731+520=1251$

39) 4      40) \$89.30

41)  $1154-863=2017$   
 $2500-2017=483$   
 $1154-483=671$

44)  $\$289.80-\$69.90=\$219.90$   
 $\$69.90+\$30.00=\$99.90$   
 $\$219.90-\$99.90=\$120$   
 $\$120 \div 2 = \$60$

42)  $450g \div 5 = 90g$   
 $450g + 90g = 540g$

45)  $30m \times 12 = 360m$   
 $360m \times 4 = 1440m$

43)  $76 \times 4 = 304$   
 $304 + 76 = 380$   
 $380 \div 4 = 95$

