Temasek Primary School

Semestral Assessment 2

Primary Three

2015

MATHEMATICS

BOOKLET A

Name : _____ ( )

Class : Primary 3 _____

Date : 30th October 2015

Parent's Signature: _____

Total Time for Booklets A & B: 1 h 45 min

Instructions to Candidates:

1. Write your name, class and register number in the spaces provided clearly.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **NOT** allowed to use a calculator.

Questions 1 to 20 carry 2 marks each. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4).
Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.
You are **not** allowed to use a calculator.

(40 marks)

---

1. In the number 6 730, the digit _____ is in the thousands place.

   (1) 7
   (2) 6
   (3) 3
   (4) 0

2. Add 3 478 to 5 543. The answer is _____.

   (1) 2 065
   (2) 2 135
   (3) 8 911
   (4) 9 021

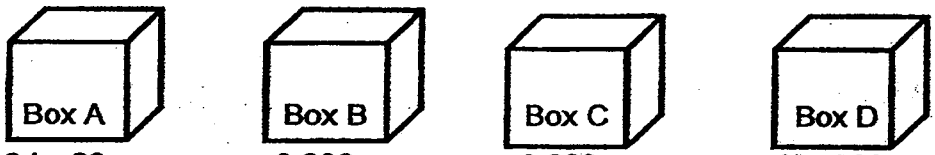
3. 5 + 5 + 5 + 5 + 5 + 5 = 6 x ☐
   What is the missing number in the box?

   (1) 5
   (2) 6
   (3) 30
   (4) 36

4. 7 m 8 cm = _____cm

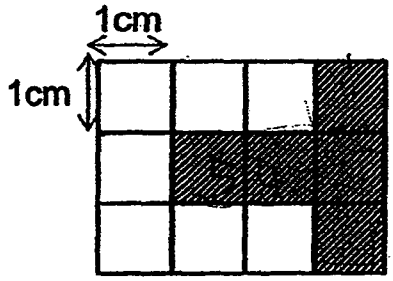
(1) 78
(2) 708
(3) 780
(4) 7 800

5. Which box has the lightest mass?



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

6. The figure below is not drawn to scale. It is made up of identical squares.
Find the perimeter of the shaded figure.



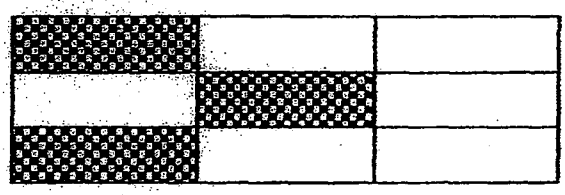
(1) 20 cm

(2) 16 cm

(3) 12 cm

(4) 5 cm

7. What fraction of the figure below is unshaded?
Give your answer in the simplest form.



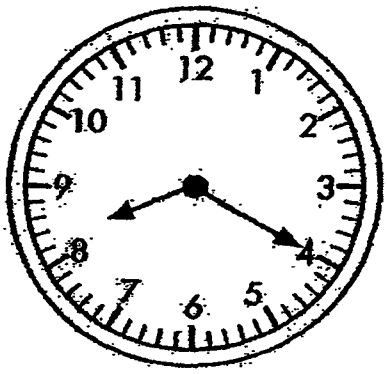
(1) $\frac{1}{3}$

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

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

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

8. The time shown on the clock is _____.



(1) 4.40
(2) 8.20
(3) 8.40
(4) 9.20

9. Study the diagram below carefully.

☀ + ♡ = 280

☀ + ☀ = 180

Find the value of ♡.

(1) 90
(2) 140
(3) 190
(4) 360

10. Which of the following fractions is more than $\frac{1}{3}$?

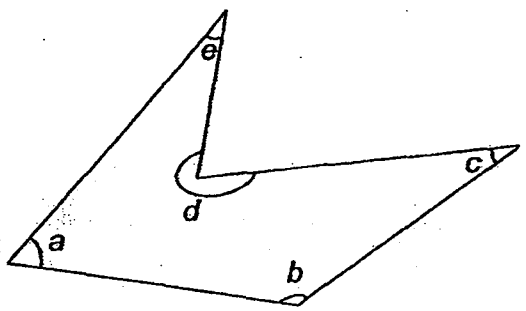
(1) $\frac{1}{2}$

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

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

(4) $\frac{1}{9}$

11. Which two angles in the figure below are greater than a right angle?



(1) $\angle a$ and $\angle b$

(2) $\angle b$ and $\angle d$

(3) $\angle c$ and $\angle d$

(4) $\angle d$ and $\angle e$

12. There are 350 apples.8 apples are packed equally into each box. How many apples are left unpacked?

(1) 7
(2) 2
(3) 6
(4) 43

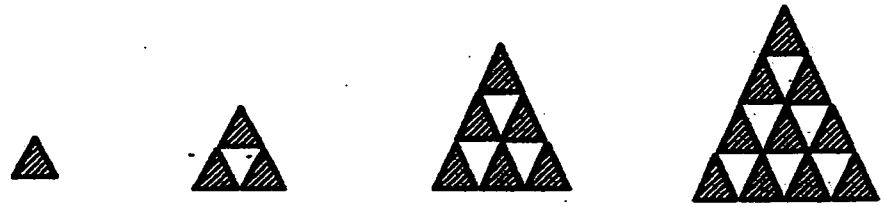
13. Which of the following has the largest value?

(1) 9 five-cent coins
(2) 8 ten-cent coins
(3) 7 twenty-cent coins
(4) 5 fifty-cent coins

14. What is the difference in the values of the digit '3' in 3 738?

(1) 2 970
(2) 3 030
(3) 3 662
(4) 3 708

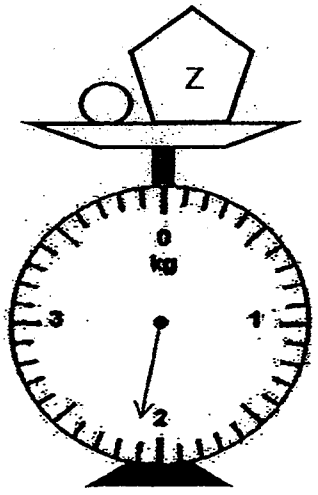
15. Study the pattern below carefully.
How many shaded triangles would there be in Pattern 8?



Pattern 1 Pattern 2 Pattern 3 Pattern 4

(1) 15
(2) 25
(3) 36
(4) 45

16. A ball and Box Z are placed on a weighing scale as shown below. What is the mass of the ball if Box Z weighs 750 g?



(1) 540 g
(2) 550 g
(3) 1 250 g
(4) 1 350 g

17. Jug X contained 400 $m\ell$ of water. John poured 150 $m\ell$ of water from Jug X to Jug Y. Now Jug Y has 250 $m\ell$ more water than Jug X. How much water is there in Jug Y now?

(1) 250 $m\ell$
(2) 350 $m\ell$
(3) 500 $m\ell$
(4) 800 $m\ell$

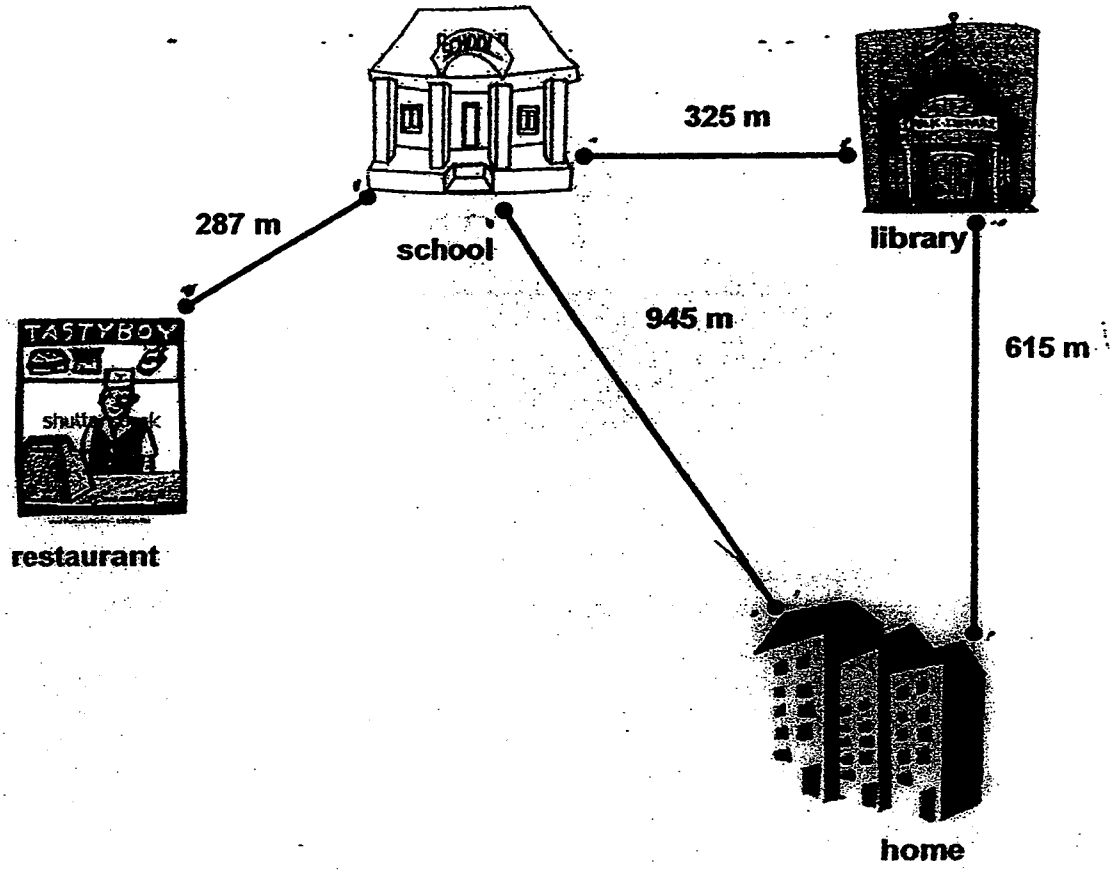
18. ♡ and □ stand for different digits.
♡ is larger than □.

$$\begin{array}{r} \square\,4 \\ -\ 4\ \heartsuit \\ \hline 1\ \heartsuit \end{array}$$

♡ + □ = ?

(1) 13
(2) 12
(3) 7
(4) 6

19. The diagram below shows the different routes Mrs Quek can travel from her home to the restaurant. What was the total distance Mrs Quek travelled if she took the shortest route?



(1) 612 m
(2) 940 m
(3) 1 227 m
(4) 1 232 m

20. Look at the prices of the cupcakes displayed at Yummy Cupcakes. If Sally wants to buy only 13 cupcakes from the shop, what is the least amount of money she needs to pay for the cupcakes?

Welcome To Yummy Cupcakes

Prices of cupcakes

1 cupcake	**$4**
3 cupcakes	**$11**
6 cupcakes	**$20**

(1) $44
(2) $46
(3) $48
(4) $52

—— End of Booklet A ——

Temasek Primary School

Semestral Assessment 2

Primary Three

2015

MATHEMATICS

BOOKLET B

Name : _____

Class : Primary 3 _____

Date : 30th October 2015

Parent's Signature: _____

Total Time for Booklets A & B: 1 h 45 min

Instructions to Candidates:

1. Write your name, class and register number in the spaces provided clearly.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.
6. You are **NOT** allowed to use a calculator.

Paper	Marks	Scores
Section A	40	
Section B	40	
Section C	20	
Total	100	

Questions 21 to 40 carry 2 marks each. Show your working clearly in the space provided for each question and write your answer in the spaces provided. For questions which require units, give your answers in the units stated. You are not allowed to use a calculator.

(40 marks)

---

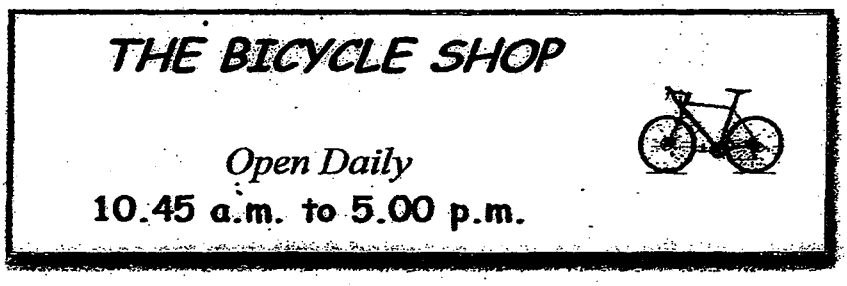
21. Find the quotient of 336 ÷ 7.

Ans: _____

---

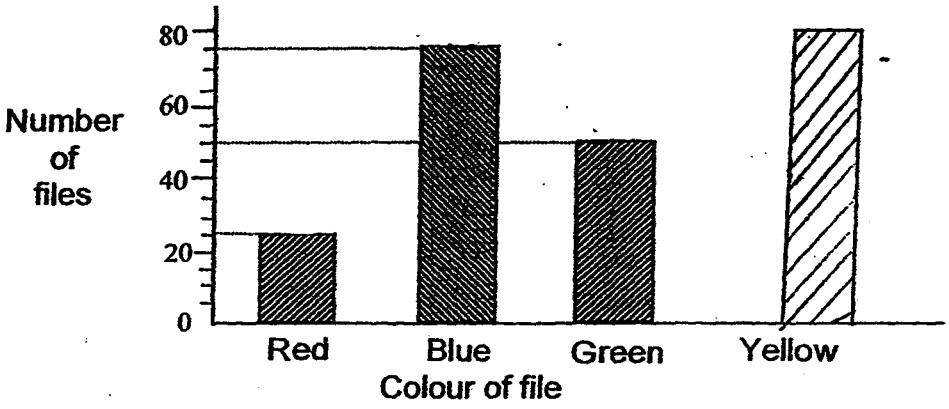
22. The opening hours of a bicycle shop are shown below.

How long is the shop open daily?



Ans: _____ min

The bar graph below shows the number of different coloured files sold by Mr Lee. Study the graph and answer questions 23 and 24.



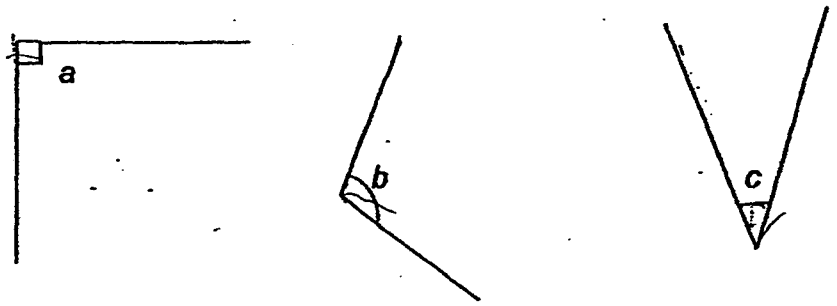
23. How many red, blue and green files did Mr Lee sell altogether?

Ans: _____

24. Mr Lee sold each file for $2. If he collected $460 from the sale of all the different coloured files, how many yellow files did he sell?

Ans: _____

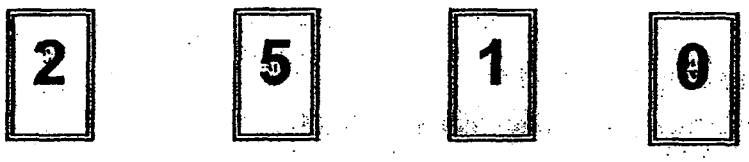
25. Arrange the following angles in ascending order.



Ans : ∠____, ∠____, ∠____

---

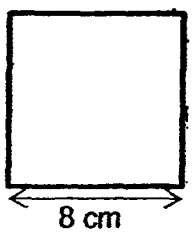
26. What is the smallest possible 4-digit odd number that can be formed from the number cards below? Use each digit only once.



Ans: _____

---

27. The length of the square below is 8 cm. Find its perimeter.



Ans: _____ cm

---

28. Arrange the following fractions in descending order.

$\frac{5}{8}$, $\frac{3}{4}$, $\frac{1}{2}$

Ans: _____ , _____ , _____

---

29. Mr Chua drove to Kuala Lumpur from Singapore.
He left Singapore at 10.45 p.m.
It took him 3 h 25 min to reach Kuala Lumpur.
At what time did Mr Chua reach Kuala Lumpur?

Ans: _____

---

30. Aman was asked to guess a 4-digit number.
Here are the clues which he was given.

- I am between 4 000 to 5 000.
- The sum of all the digits is 24.
- The digit in the hundreds place is the greatest one-digit number.
- The digit in the tens place is twice the digit in the thousands place.

What is this number?

Ans: _____

---

31. Alan has twice as many marbles as John. If they have 480 marbles altogether, how many marbles does Alan have?

Ans: _____

---

32. Rani and Dolly baked 690 cookies altogether. Rani baked 178 more cookies than Dolly. How many cookies did Dolly bake?

Ans: _____

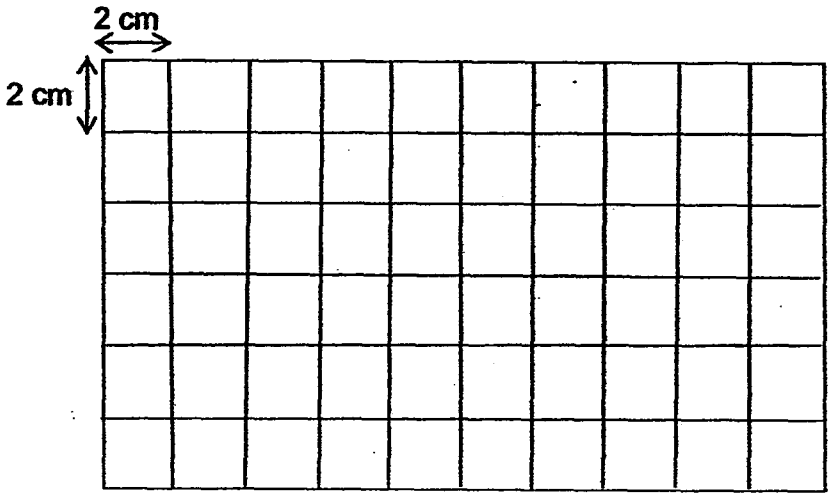
---

33. Alice has 405 cm of lace. She sews the lace around 6 identical square shaped cushion covers. If she uses 89 cm of lace on each cushion cover, how much more lace does she need to buy?

Ans: _____ m _____ cm

---

34. In the grid square provided below, draw a square that has an area of 36 cm^2. Shade the square with your pencil.



35. 3 identical blouses and 2 identical dresses cost $182.
1 such blouse and 1 such dress cost $78.
What is the cost of 1 blouse?

Ans: $_____

36. Alex is 15 kg heavier than Sam and 8 kg lighter than Taj.
If the total mass of the 3 boys is 128 kg, find Sam's mass.

Ans: _____ kg

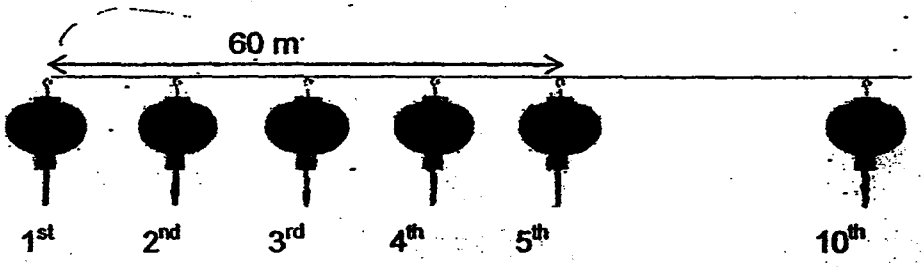
---

37. For every 3 packets of biscuits Siti buys, she gets the 4th packet of biscuit free.
How many packets of biscuits must Siti buy so that she will have 20 packets of biscuits in all?

Ans: _____

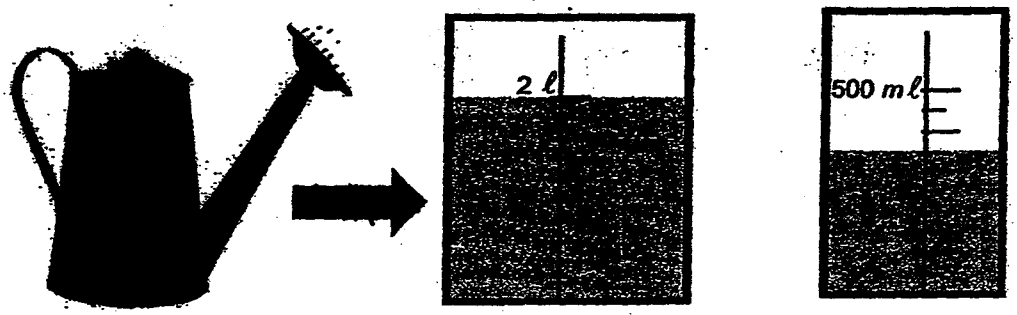
---

38. During the Lantern Festival, Mrs Tan hung some lanterns which are equally spaced out on a string. The distance between the 1st and the 5th lantern is 60 m. What is the distance between the 1st and 10th lantern?



Ans: _____ m

39. The watering can below is completely filled with water. Ali pours out half the amount of water from the watering can into the 2 measuring cups as shown below. Another 450 $m\ell$ of water from the watering can was used to water some plants. How much water is left in the watering can now?



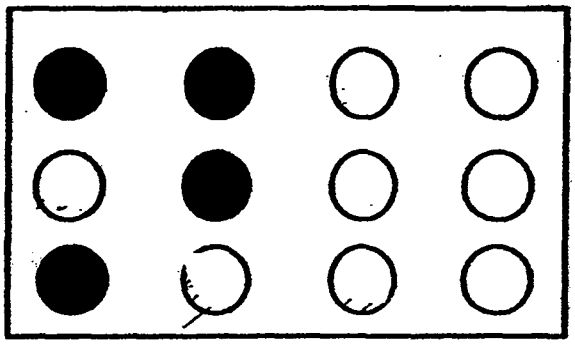
watering can

Ans: _____ $m\ell$

40. $\frac{3}{4}$ of the circles below has to be shaded.

4 circles have been shaded.

How many more circles need to be shaded?



Ans: _____

For questions 41 to 46, show your workings 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.

(20 marks)

---

41. Melvin collected 3 245 stickers.

He had 1 643 fewer stickers than John.

How many stickers do they have altogether?

Ans: _____ [3 marks]

---

42. Sam had $640.

He gave $120 to his brother.

Both of them then had the same amount of money.

How much money did his brother have at first?

Ans: [3 marks]

43. Marilyn bought a pizza for dinner.

She ate $\frac{1}{2}$ of it and Simon ate $\frac{1}{10}$ of it.

(a) What fraction of the pizza did both of them eat altogether?

(b) What fraction of the pizza was left?

Give your answers in the simplest form.

Ans: (a) _____ [1 mark]

(b) _____ [2 marks]

44. A group of 18 people attended a football match.
The prices of the admission tickets are shown below.

Football Match Ticket Prices	
Adult	\$8 each
Child	\$5 each

The group paid a total of \$123 for the admission tickets.
How many adults were there in the group?

Ans: _____ [3 marks]

45. Limei bought a packet of sugar from the supermarket.

Limei used $\frac{1}{8}$ of the sugar to bake a cake and $\frac{1}{4}$ of it to make jelly.

If she had 375 g of sugar left, how much sugar was there in the packet at first?

(Draw a model to solve this question. 1 mark will be awarded for the correct model drawn.)

Ans: _____ [4 marks]

46. The garden below is formed with 2 identical big squares and 1 small square. The length of the straight line XY is 60 m.

(a) What is the perimeter of the garden?

(b) If 1 m of fencing cost $9, how much would Mrs Jaya have to pay if she wants to put a fence around the garden?

---- End of Booklet B ----

EXAM PAPER 2015
LEVEL : PRIMARY 3
SCHOOL : TEMASEK PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	4	1	2	3	3	4	2	3	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q 20
2	3	4	1	3	4	3	1	3	1

Q21. 48 Q22. 6h 15min Q23. 150 Q24. 80 Q25. c,a,b

Q26. 1025 Q27. 32cm Q28. ¾,⅝,½ Q29. 2.10am

Q30. 4983 Q31. 320 Q32. 256 Q33. 1m 29cm

Q34. **SEE PICTURE - next page** Q35. $26 78x2=156, 182-156=26, 78-26=52

Q36. 30kg Q37. 15 Q38. 135m Q39. 1900ml → 2350-450=1900

Q40. 5 Q41. 8133 → 3245+1643=4888, 3245+4888=8133

Q42. $400 → 640-120=520, 520-120=400

Q43a. ⅗ → Fraction Marilyn eat =½ = $\frac{5}{10} + \frac{1}{10} = \frac{6}{10}$, = ⅗

Q43b. ⅖ → $\frac{10}{10} - \frac{6}{10} = \frac{4}{10}$, = ⅖

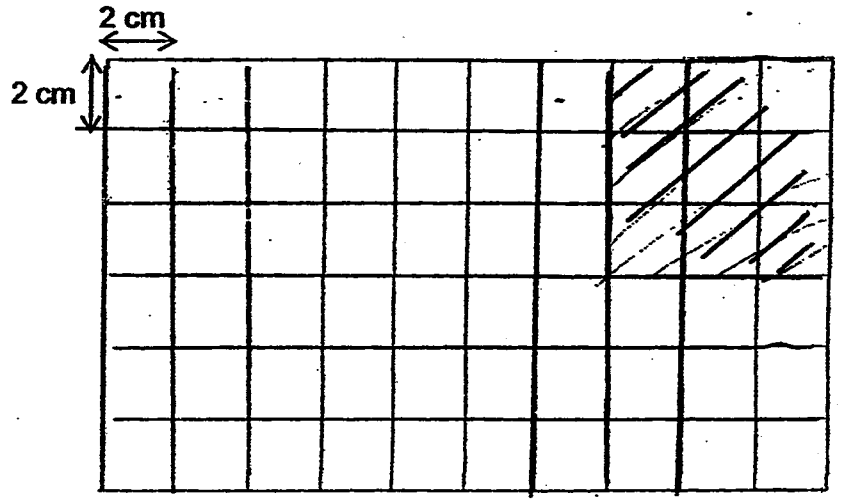
Q44. 11 adults

No. of adults	Amt. paid by adult	No. of children	Amt. paid by children	Total
9	9 x 8=72	9	9 x 5=45	45+72=117
10	10x8=80	8	8 x 5=40	80+40=120
11	11x8=88	7	7x5=35	88+35=123

Q45. 600g
Fraction of sugar she used for the Jelly =¼, = $\frac{2}{8}$
1unit = 375÷5=75g
Mass of sugar in the packet at first = 75x8=600

Q46. 2160
Perimeter of garden =60+60=60=60 =240,
Cost of fencing up garden = $9x240=2160

Q34.



THE END