HENRY PARK PRIMARY SCHOOL
2024 END OF YEAR EXAMINATION
MATHEMATICS
PRIMARY 4

Name: _____ ( ) Parent's Signature

Class: Primary 4_____ _____

Duration of Paper: 1 h 30 min

Marks:

Section A (MCQ)	20
Section B (Open-Ended)	50
Section C (Problem Sums)	30
Total	100

SECTION A: Multiple-Choice Questions (20 marks)
Questions 1 to 10 carry 2 mark each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer in the Optical Answer Sheet.

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1. What is the value of 30 000 ÷ 4000 ÷ 800 ÷ 2 ?

   (1) 30 482

   (2) 34 082

   (3) 34 802

   (4) 34 820 ( )

2. The value of the digit 7 in 27 905 is _____.

   (1) 70

   (2) 700

   (3) 7000

   (4) 70 000 ( )

3. How many quarters are there in 3 wholes?

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

   (2) $1\frac{1}{3}$

   (3) 12

   (4) 4 ( )

4. Which of the following decimals is the greatest?

(1) 3.589

(2) 3.657

(3) 3.178

(4) 3.019 ( )

5. Express $\frac{63}{100}$ as a decimal.

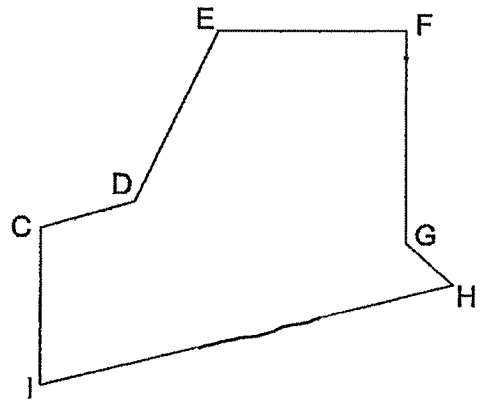
(1) 0.063

(2) 0.603

(3) 0.63

(4) 6.03 ( )

6. In the figure below, which two lines are perpendicular to each other?



(1) CD and DE

(2) CI and FG

(3) EF and FG

(4) GH and HI ( )

7. A square cardboard has sides of length 8 cm.
Find its area.

(1) 12 cm^2

(2) 16 cm^2

(3) 32 cm^2

(4) 64 cm^2 ( )

8. The table below shows the number of story books read by the students of Primary 4J in a particular week.

Number of story books read	0	1	2	3	4
Number of students	2	13	21	3	1

How many students read fewer than 3 story books in that week?

(1) 36

(2) 39

(3) 3

(4) 40 ( )

9. Mrs Li used $\frac{1}{4}$ kg of flour to bake brownies. She used $\frac{1}{2}$ kg more flour to bake muffins than brownies. What was the total mass of flour she used to bake brownies and muffins?

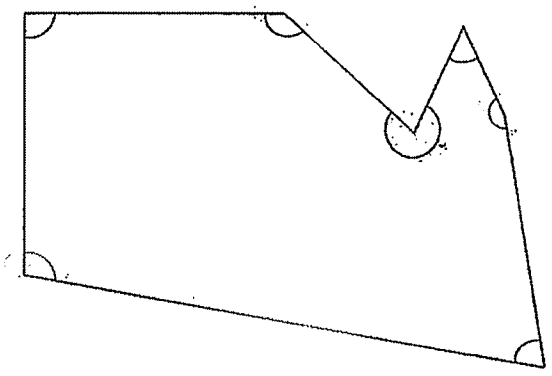
(1) 1 kg

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

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

(4) $\frac{3}{10}$ kg ( )

10. In the figure below, how many of the marked angles are greater than a right angle?



(1) 1

(2) 2

(3) 5

(4) 4 ( )

(Go on to SECTION B)

SECTION B: Open-Ended Questions (50 marks)

Questions **11** to **35** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

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

4630, 4860, 5090, [?], 5550.

Ans : _____

12. Round 26 754 to the nearest hundred.

Ans : _____

13. Some factors of 45 are 1, 3, 9 and 45. What are the other two factors of 45?

Ans : _____ and _____

14. Express $\frac{14}{21}$ in its simplest form.

Do not write in this space

Ans : _____

15. Write $4\frac{2}{5}$ as an improper fraction.

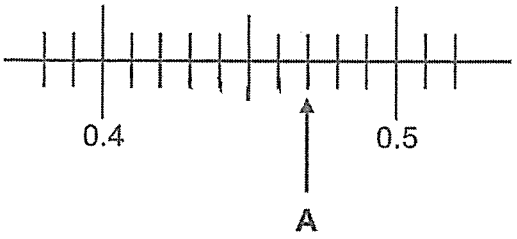
Ans : _____

16. Find the value of $2 - \frac{1}{2} - \frac{1}{8}$

Ans : _____

Do not write in this space

17. Write the decimal represented by A.

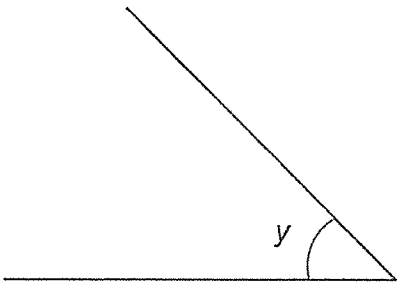


Ans : _____

18. Find the value of 7.39 × 6

Ans : _____

19. Measure and write down the size of $\angle y$.



Ans : _____ °

20. Sarah joined 4 identical rectangular pieces of paper to form a frame around a square picture. The perimeter of the frame is 36 cm. Find the length of one side of the picture.

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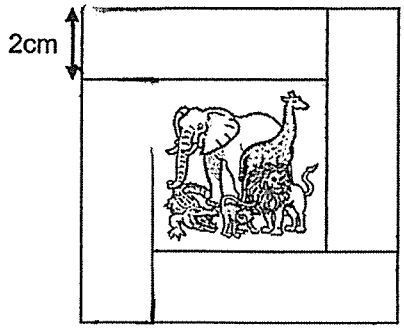

Ans : _____ cm

21. George spent $590 on rent and $180 on food every month. How much money will he spend on rent and food in a year?

Ans : $_____

22. Each child at a party chose only 1 flavour of ice cream. The bar graph below shows their choices.

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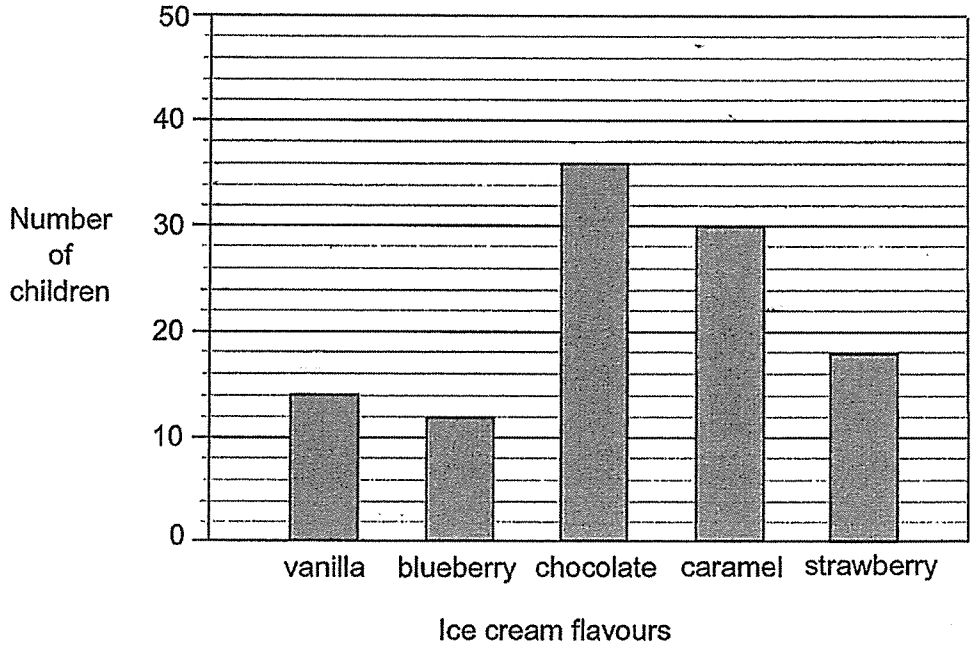

How many more children chose chocolate than vanilla ice cream?

Ans : _____

23. Find the difference between 5.4 and 229 hundredths.
Express the answer as a decimal.

Do not write in this space

Ans : _____

24. Mrs Tan bought some meat for $12.55 and a bottle of chilli sauce for $3.70. She gave the cashier $20. How much change did Mrs Tan receive?

Ans : $_____

25. (a) Shade 3 squares to form a symmetrical figure with XY as the line of symmetry.

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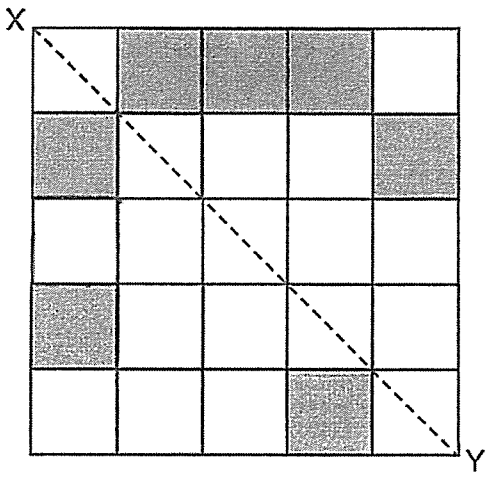
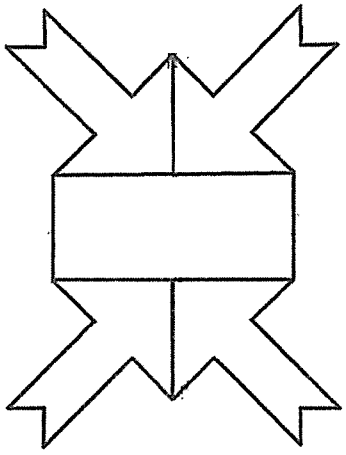


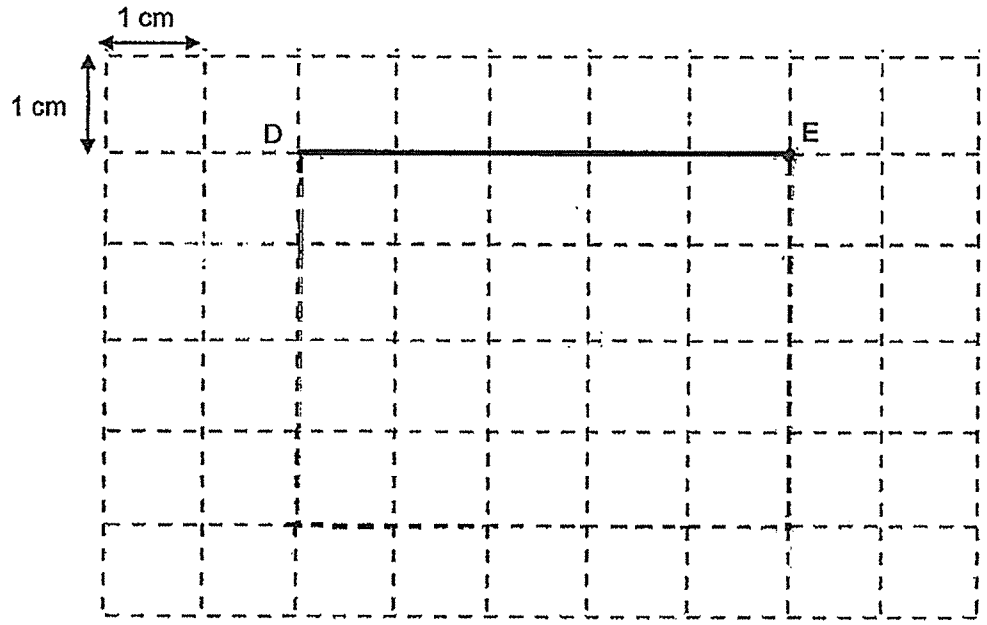
(b) How many line(s) of symmetry is/are there in the figure below?



Ans : _____

Do not write in this space

26. (a) DEFG is a rectangle with an area of 20 cm^2.
The square grid below shows side DE of rectangle DEFG. Complete rectangle DEFG by drawing 3 more lines. Label the rectangle.



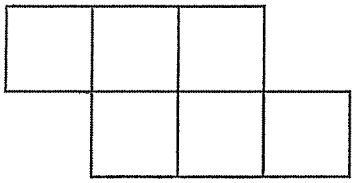
(b) PQRS is a rectangle that has the same area as DEFG but has a different length and breadth. What is one possible measurement of the length and breadth of the rectangle PQRS?

Ans : Length _____cm

Breadth _____cm

27. The figure below consists of 6 identical squares. Each of the squares has an area of 49 cm². Find the perimeter of the figure.

Do not write in this space



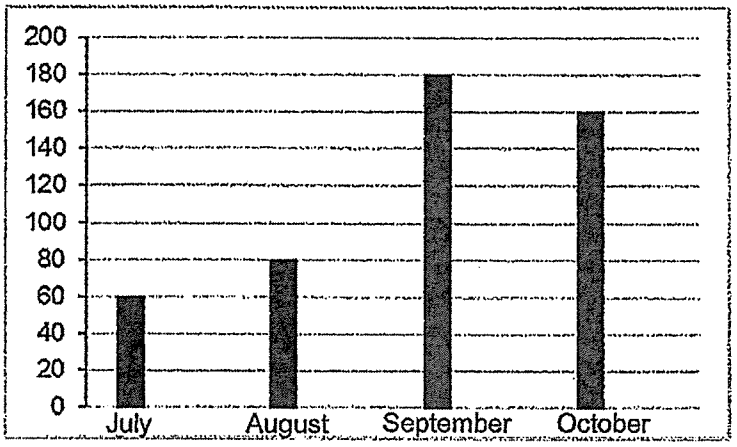
Ans : _____cm

28. Benny took 1 h 15 min to travel from his home to the factory.
He arrived at the factory at 14 15. What time did he leave his home?
Give your answer in 24-hour clock.

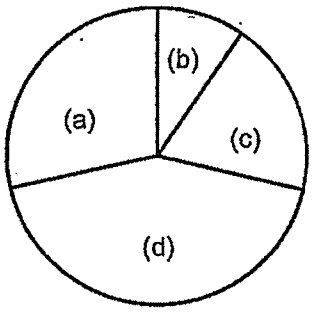
Ans : _____

Do not write in this space

29. The graph below represents the number of books sold over four months, from July to October.



The information is also represented by a pie chart. Fill in the missing months in the pie chart.



Ans : (a) _____

(b) _____

(c) _____

(d) _____

30. A store offered 300 pots at a discounted price during a 5-week sale. The line graph below shows the number of pots left unsold at the end of each week at a store.

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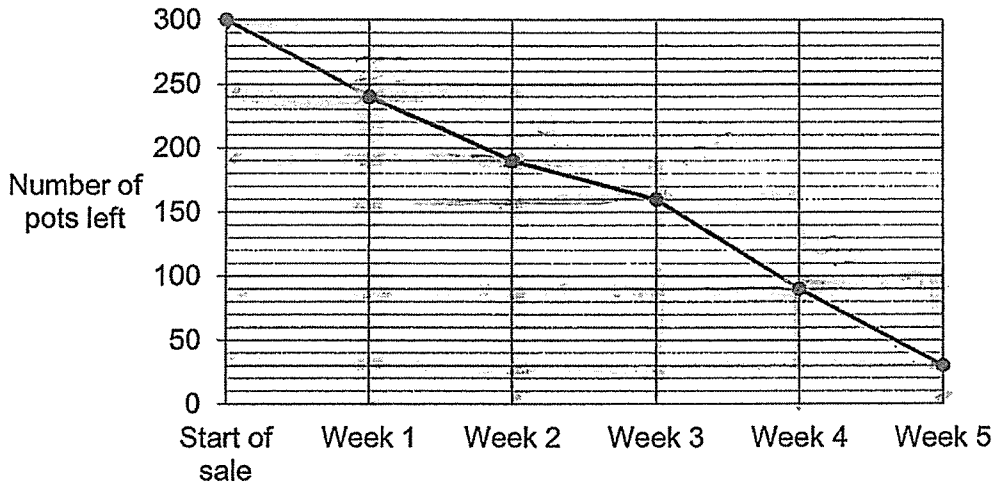


How many pots were sold by the end of Week 5?

Ans : _____

31. Alice, Bella and Clara have a total of $1004. Alice has twice as much money as Bella. Clara has $190 less than Bella. How much money does Bella have?

Ans : $_____

32. The mass of a cup is 0.55 kg. The total mass of 8 identical cups and 1 plate is 5.6 kg. What is the mass of 1 plate?
Leave your answer as a decimal.

Do not write in this space

Ans : _____ kg

33. Audrey thought of a decimal number with 2 decimal places. When she rounded the number to the nearest tenth, the value was 529.0. Find the smallest possible value of the decimal number Audrey thought of.

Ans : _____

34. A box contains blue, green and red marbles. $\frac{1}{4}$ of the marbles are blue.

There are 24 more green than blue marbles. The remaining 32 marbles are red. How many marbles are there in the box?

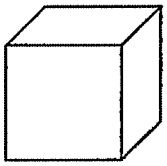
Do not write in this space

Ans : _____

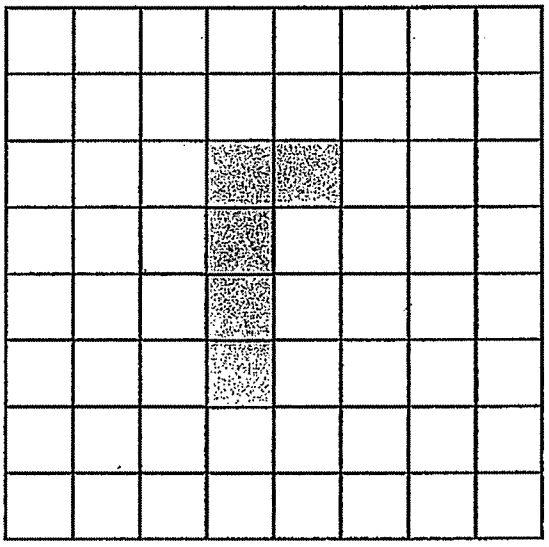
35. The diagram below shows an incomplete net of a cube.

Do not write in this space

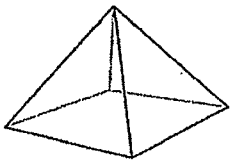
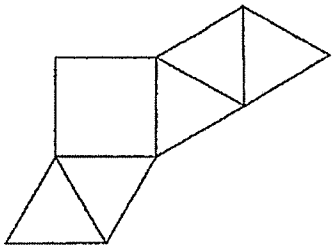
(a) Shade 1 square to complete the net of the cube.



Cube



(b) The net of the following solid drawn below is incorrect.
Shade the face that does not fit.

Solid	Net
 Pyramid	

(Go on to SECTION C)

NAME: _____ CLASS: Primary 4 _____

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SECTION C: Problem Sums (30 marks)

For questions **36** to **43**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question.

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36. ABC Bookshop had 4960 pens at first. It sold a total of 1372 pens.

(a) How many pens were not sold?

Ans: (a) _____ [2]

(b) The unsold pens were repacked into packets of 7 pens.

How many pens were left unpacked?

Ans: (b) _____ [2]

37. Jane baked 861 apple and orange tarts. Helen baked 1425 apple and chocolate tarts. They baked the same number of apple tarts. The number of chocolate tarts was 4 times the number of orange tarts.

Do not write in this space

(a) How many orange tarts did Jane bake?

Ans: (a) _____ [2]

(b) Helen received another 200 apple tarts from Sophia.
How many apple tarts did Helen have now?

Ans: (b) _____ [2]

Do not write

38. Mrs Ling had a sum of money. After spending $\frac{5}{8}$ of her money on a laptop and a camera, she had $3087 left.

(a) Find the amount of money that Mrs Ling had spent.

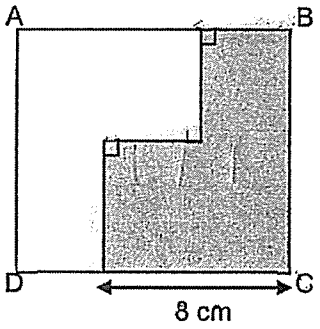
Ans: (a) _____ [2]

(b) The laptop cost $130 more than the camera.
Find the cost of the camera.

Ans: (b) _____ [2]

39. Macy cut a square piece of paper into 2 identical shapes and size. One part of the paper was painted grey. The perimeter of the grey part is 40 cm.

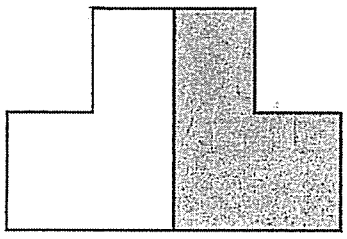
Do not write in this space



(a) Find the length of BC.

Ans: (a) _____ [2]

(b) Macy then rearranges the position of the 2 parts into the figure shown below. Find the perimeter of the figure.



Ans: (b) _____ [2]

Do not write in this space

40. Ethan left his home at 10:45 am and took 25 minutes to cycle to the hawker Centre. After having his lunch, he left the hawker centre at 11:45 am.

(a) How long was Ethan at the hawker centre?

Ans: (a) _____ [2]

(b) From the hawker centre, Ethan cycled for 10 minutes to the supermarket. He spent 1 h 15 min in the supermarket before cycling home. What time did Ethan leave the supermarket?

1:10

Ans: (b) _____ [2]

41. Raju and Jerry collected a total of 5468 stamps. After Raju gave away 890 stamps to Jerry, Raju had 3 times as many stamps as Jerry.

Do not write in this space

(a) How many stamps did Jerry have at first?

Ans: (a) _____ [2]

(b) How many stamps did Raju have in the end?

Ans: (b) _____ [2]

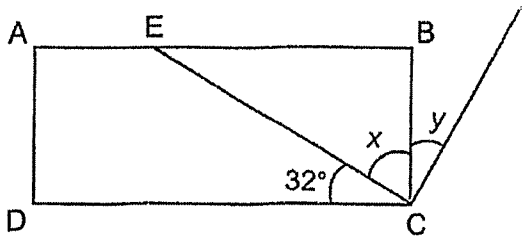
42. At first, there were a total of 1638 children at a carnival. After $\frac{1}{2}$ of the boys and $\frac{4}{5}$ of the girls went home, there was an equal number of boys and girls remaining at the carnival. How many more girls than boys were there at the carnival at first?

Do not write in this space

Ans: _____ [3]

43. In the figure below, ABCD is a rectangle and $\angle ECD$ is 32°.

Do not write in this space



(a) Find $\angle x$.

Ans: (a) _____ [1]

(b) Given that $\angle x$ is twice the size of $\angle y$.
Find $\angle y$.

Ans: (b) _____ [2]

End of Paper

SCHOOL : HENRY PARK PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : SA2

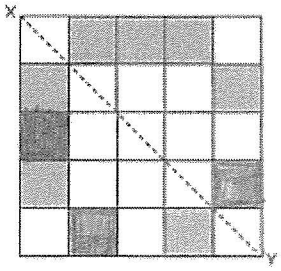
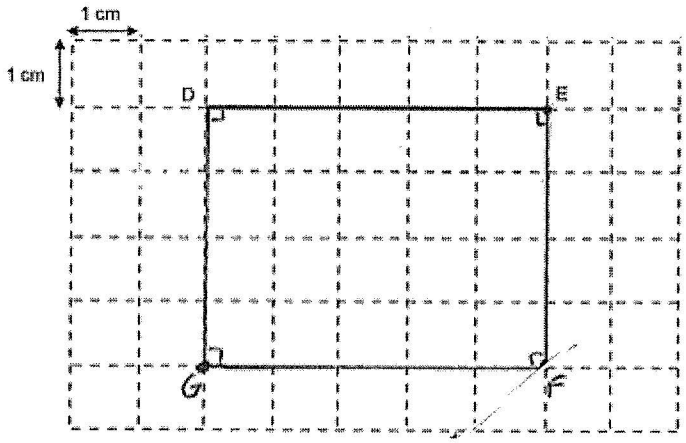
PAPER 1

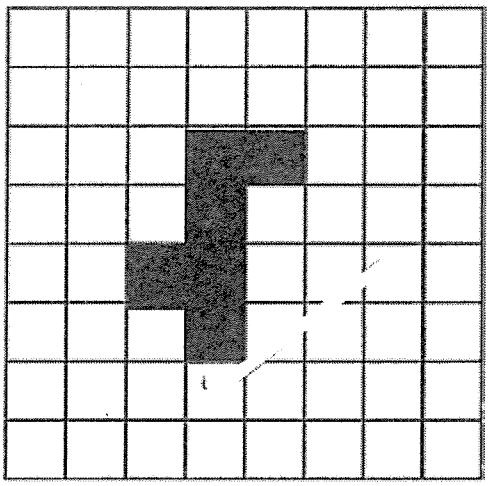
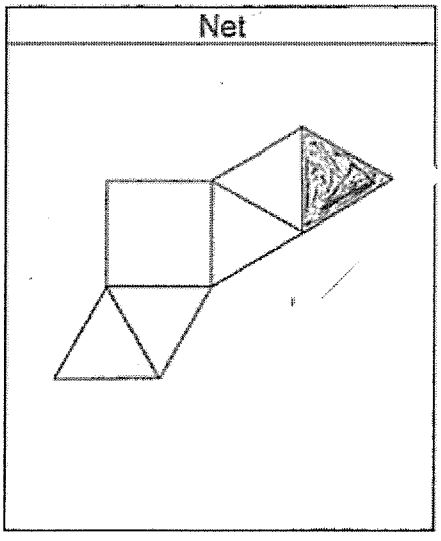
BOOKLET A

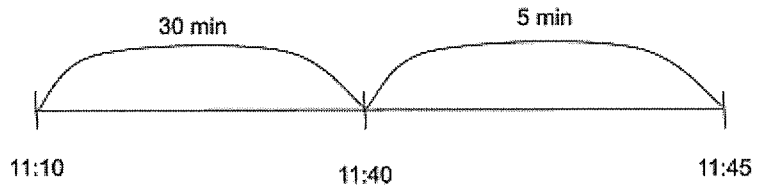
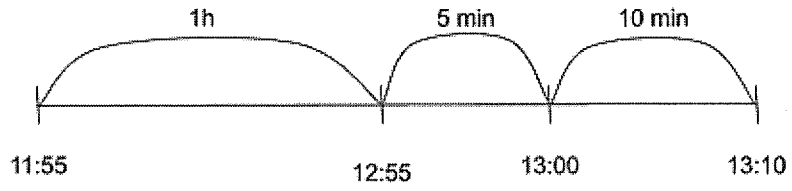
Q1	Q2	Q3	Q4	Q5
3	**3**	**3**	**2**	**3**
Q6	Q7	Q8	Q9	Q10
3	**4**	**1**	**1**	**4**

BOOKLET B

Q11	**5320**
Q12	**26800**
Q13	**5 and 15**
Q14	$\frac{2}{3}$
Q15	$\frac{22}{5}$
Q16	$1\frac{3}{8}$
Q17	**0.47**
Q18	**44.34**
Q19	**45**
Q20	**5**
Q21	**9240**
Q22	**22**

Q23	**3.11**
Q24	**3.75**
Q25 (a)	
Q25 (b)	**2**
Q26 (a)	
Q26 (b)	**Length: 10cm** **Breadth: 2cm**
Q27	**7 x 7 = 49** **12 x 7 = 84**
Q28	**1300**
Q29 (a)	**October**
Q29 (b)	**July**
Q29 (c)	**August**
Q29 (d)	**September**
Q30	**270**
Q31	**$289.50**

Q32	**1.20kg**
Q33	**528.95**
Q34	**2u = 32 ÷ 24 = 56** **56 x 2 = 112**
Q35 (a)	
Q35 (b)	
Q36 (a)	**4960 - 1372 = 3588**
Q36 (b)	**3588 ÷ 7 = 512 R4**
Q37 (a)	**1425 - 861 = 564** **564 ÷ 3 = 188**
Q37 (b)	**861 - 188 = 673** **673 + 200 = 873**

Q38 (a)	**3u = $3087** **1u = $3087 ÷ 3 = 1029** **5u = $1029 x 5 = $5145**
Q38 (b)	**$5145 - $130 = $5015** **$5015 ÷ 2 = $2507.50**
Q39 (a)	**40 - 28 = 12cm**
Q39 (b)	**16 + 7 + 7 + 4 + 4 + 5 + 5 + 8 = 56cm**
Q40 (a)	 **35min**
Q40 (b)	 **1:10**
Q41 (a)	**4u = 5468** **1u = 5468 ÷ 4 = $1367** **$1367 - $890 = $477**
Q41 (b)	**$1367 x 3 = $4101**
Q42	**1638 ÷ 7 = 234** **234 x 3 = 702**
Q43 (a)	**90 - 32 = 58**
Q43 (b)	**58 ÷ 2 = 29**