

**2016**  
**END-OF-YEAR EXAMINATION**  
**PRIMARY 4**  
**MATHEMATICS**

**DURATION** : 1 h 45 min

**DATE** : 25 October 2016

**INSTRUCTIONS**

Do not open the booklet until you are told to do so.

Follow all instructions.

Answer all questions.

**Name** : \_\_\_\_\_ ( )

**Class** : Primary 4 \_\_\_\_\_

<b>Parent's Signature</b> _____	
<b>Date</b> : _____	

**Marks :**

Section A	28
Section B	40
Section C	32
Total	100

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### **Section A**

**Questions 1 to 14** 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 **with a 2B pencil**.

(28 marks)

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**1** The value of the digit 3 in 93 412 is \_\_\_\_\_.

- (1) 30
- (2) 300
- (3) 3000
- (4) 30 000

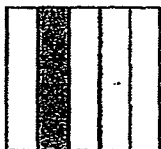
**2** 33 thousands and 8 tens is the same as \_\_\_\_\_.

- (1) 338
- (2) 3380
- (3) 33 008
- (4) 33 080

**3** Which of the following numbers when rounded to the nearest ten become 71500?

- (1) 71 444
- (2) 71 496
- (3) 71 514
- (4) 71 550

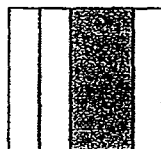
- 4 Which of the following has  $\frac{1}{4}$  of the figure shaded?



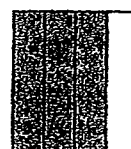
(1)



(2)



(3)



(4)

- 5 Which of the following is **not** an equivalent fraction of  $\frac{1}{3}$ ?

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

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

(3)  $\frac{4}{11}$

(4)  $\frac{5}{15}$

- 6 In the number 34.21, the digit \_\_\_\_\_ is in the hundredths place.

(1) 1

(2) 2

(3) 3

(4) 4

7     8 hundredths is \_\_\_\_\_ thousandths more than 3 hundredths.

(1)     0.05

(2)     5

(3)     50

(4)     500

8      $9 + \frac{2}{25} + \frac{3}{100} =$  \_\_\_\_\_

(1)     9.11

(2)     9.23

(3)     9.50

(4)     9.83

9     A movie ended at 02 45. The duration of the movie was 2 h 15 min.  
What time did the movie start?

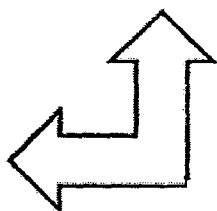
(1)     12.30 p.m.

(2)     12.30 a.m.

(3)     5.00 p.m.

(4)     5.00 a.m.

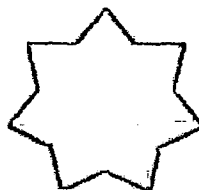
10 Which of the following figures does not have a line of symmetry?



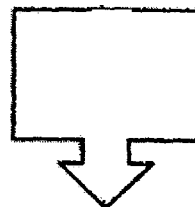
(1)



(2)

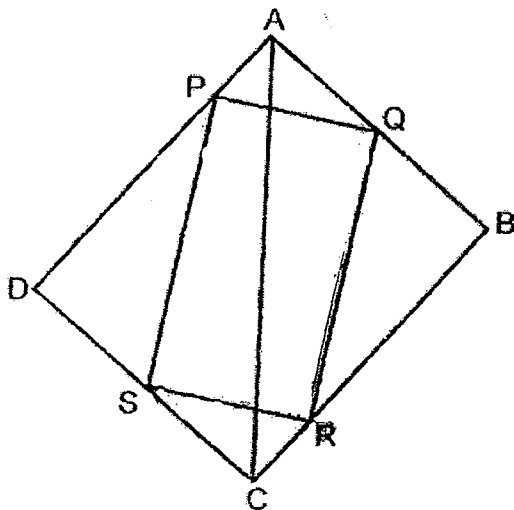


(3)



(4)

11 In the figure below, Line \_\_\_\_\_ is parallel to Line PS and perpendicular to Line SR.



(1) PQ

(2) CD

(3) AC

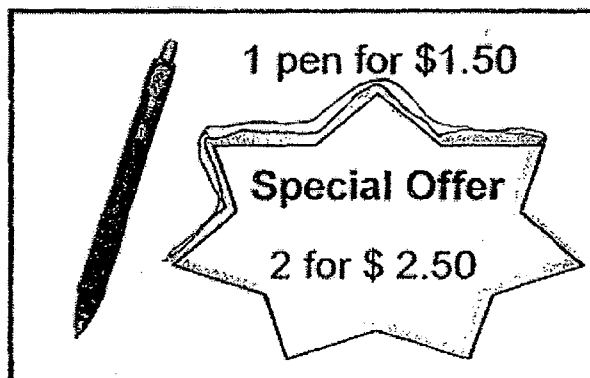
(4) QR

- 12 Mdm Ang needs to pack 1409 fun packs into some boxes. Each box can only contain 9 fun packs at most. How many boxes will she need to pack all the fun packs?

- (1) 151
- (2) 155
- (3) 156
- (4) 157

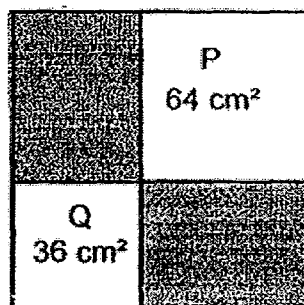
- 13 The bookshop has a special offer for pens. Mrs Lim wants to buy 5 pens. What is the least amount she has to pay?

- (1) \$4.00
- (2) \$6.50
- (3) \$6.25
- (4) \$7.50



- 14 In the figure below, P and Q are squares. The area of square P is  $64 \text{ cm}^2$  and the area of square Q is  $36 \text{ cm}^2$ . Find the area of the shaded part?

- (1)  $96 \text{ cm}^2$
- (2)  $100 \text{ cm}^2$
- (3)  $144 \text{ cm}^2$
- (4)  $288 \text{ cm}^2$



## **Section B**

Questions 15 to 34 carry 2 marks each. Write your answers in the spaces provided.  
For questions which require units, give your answers in the units stated. (40 marks)

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- 15 Write twelve thousand and fifty-two in figures.

Ans: \_\_\_\_\_

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- 16 Write the missing number in the number pattern below.

12 000 , 11 200 , 10 400 , 9 600 , \_\_\_\_\_ , 8000

Ans: \_\_\_\_\_

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- 17 Which two of the fractions below are smaller than  $\frac{1}{2}$  ?

Ans: \_\_\_\_\_ and \_\_\_\_\_

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- 18 Round 16.55 to the nearest whole number.

Ans: \_\_\_\_\_

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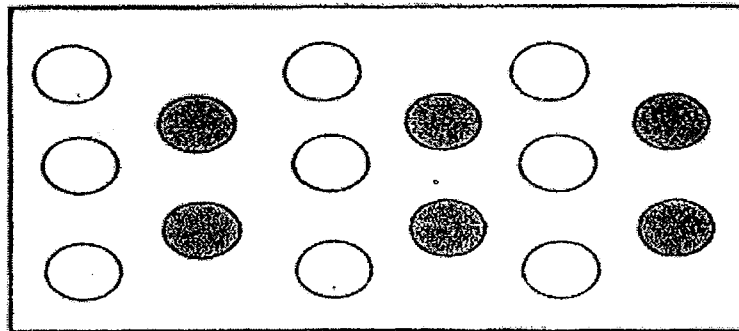


19 Find the value of  $1 - \frac{1}{6} - \frac{0}{2}$ ?

Ans: \_\_\_\_\_

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20 What fraction of the ovals shown is shaded?



Ans: \_\_\_\_\_

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21  $7.2 - 0.48 =$  \_\_\_\_\_

Ans: \_\_\_\_\_

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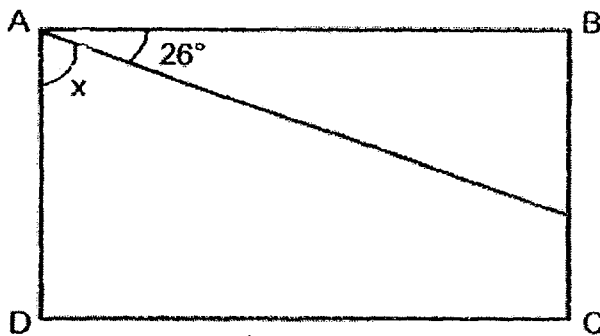


- 22 Find the value of  $5.83 \times 7$ .

Ans: \_\_\_\_\_

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- 23 In the figure below, ABCD is a rectangle. Find the value of  $\angle x$ .



Ans: \_\_\_\_\_°

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- 24 The table below shows the flight schedule between Singapore and Thailand. How long does it take to travel between Singapore and Thailand? Give your answer in **minutes**.

Singapore (Depart)	Thailand (Arrive)
14 10	16 35

Ans: \_\_\_\_\_ min

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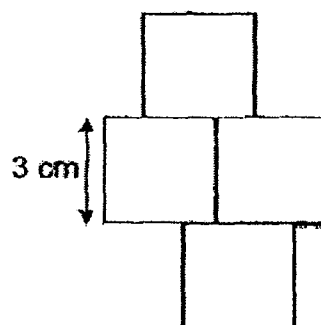
- 25 There was 6 kg of flour in a container. Mdm Loh used 0.65 kg of flour to make muffins and used another  $\frac{3}{10}$  kg of flour to bake a cake. How much flour was left in the container? Give your answer in decimals.

Ans: \_\_\_\_\_ kg

- 26 A box can contain either 24 staplers or 32 sharpeners. Mr Low placed 6 staplers and 14 sharpeners in the box. How many more sharpeners can he put in to fill up the box?

Ans: \_\_\_\_\_

- 27 The figure is made up of 4 similar squares. Each side of the square is 3 cm. Find the perimeter of the figure.



Ans: \_\_\_\_\_ cm

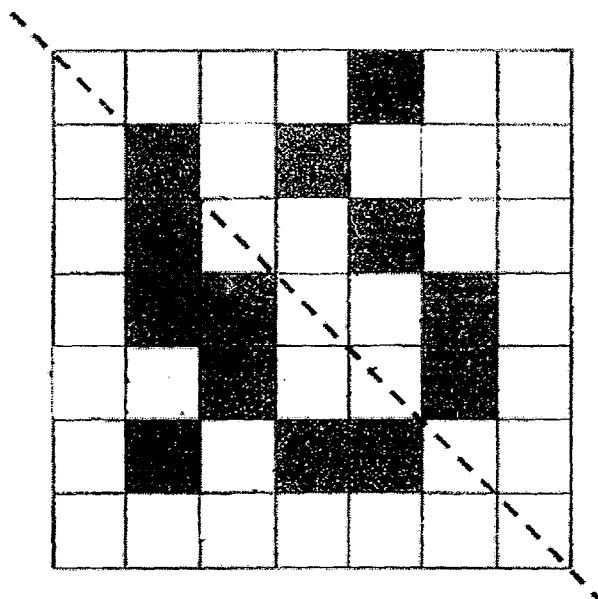
- 28 Complete the square EFGH of side 6 cm by drawing the sides EH and GH. Label it EFGH. The sides EF and FG have been drawn for you.

E

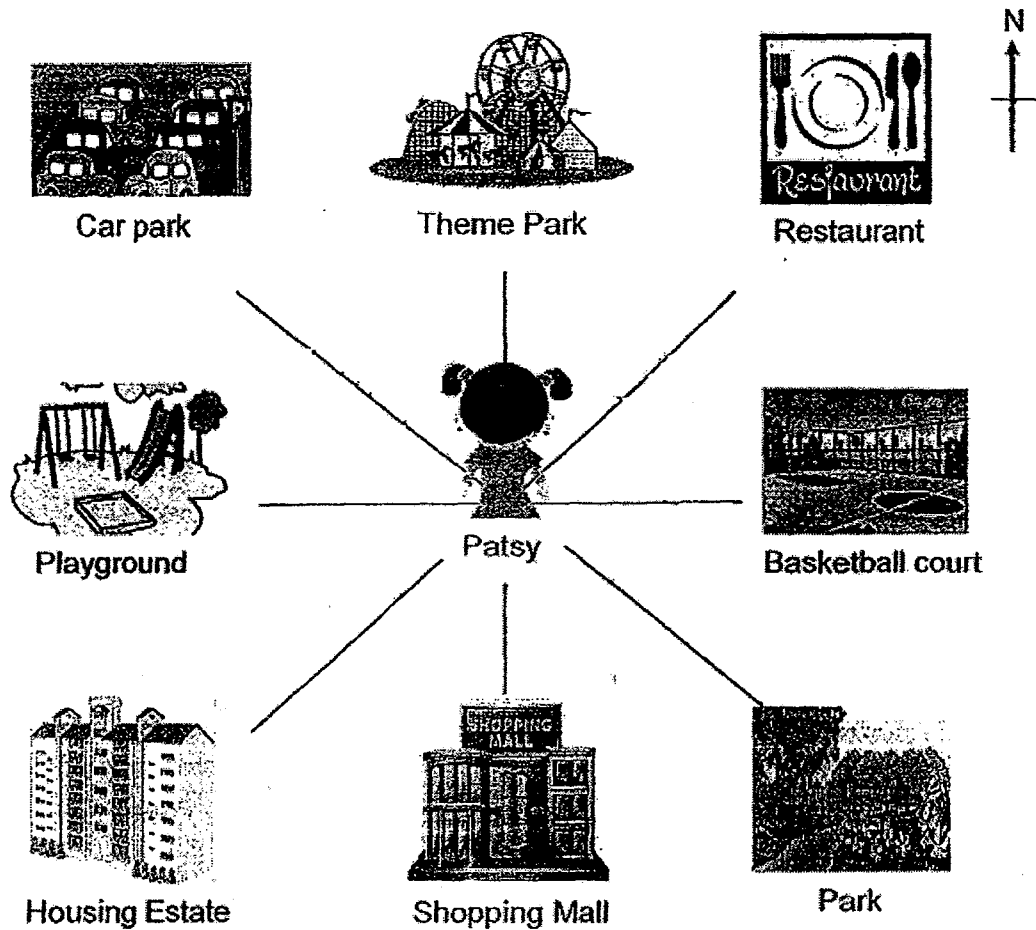
F

G

- 29 In the figure below, the dotted line is the line of symmetry. Complete the symmetric figure by shading 4 squares.



Study the diagram carefully and answer questions 30 and 31.



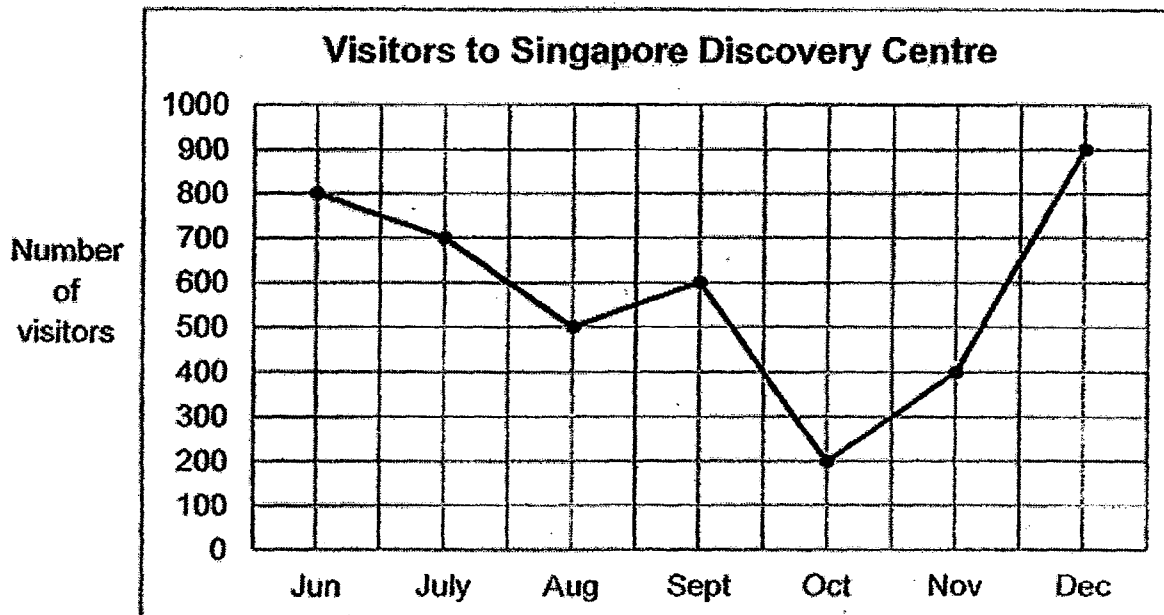
- 30 Patsy was facing the Housing Estate after turning  $225^\circ$  anti-clockwise. Where was she facing at first?

Ans: \_\_\_\_\_

- 31 The Playground is \_\_\_\_\_ of the Theme Park.

Ans: \_\_\_\_\_

The line graph shows the number of visitors to the Singapore Discovery Centre from June to December. Study the line graph carefully and answer questions 32, 33 and 34.



- 32 Which month has twice the number of visitors as November?

Ans: \_\_\_\_\_

- 33 Between which two months is there the greatest increase in the number of visitors?

Ans: \_\_\_\_\_ and \_\_\_\_\_

- 34 What is the difference in the number of visitors between the month with the highest number of visitors and the month with the lowest number of visitors?

Ans: \_\_\_\_\_

### Section C

Questions 35 to 38 carry 3 marks each. Questions 39 to 43 carry 4 marks each. Show your working clearly in the space provided below each question and write your answers and units in the spaces provided. (32 marks)

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- 35 A piano and 3 guitars cost \$4045. The guitar costs \$1907 less than the piano.  
How much does the piano cost?

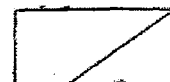
Ans: \_\_\_\_\_ [3]

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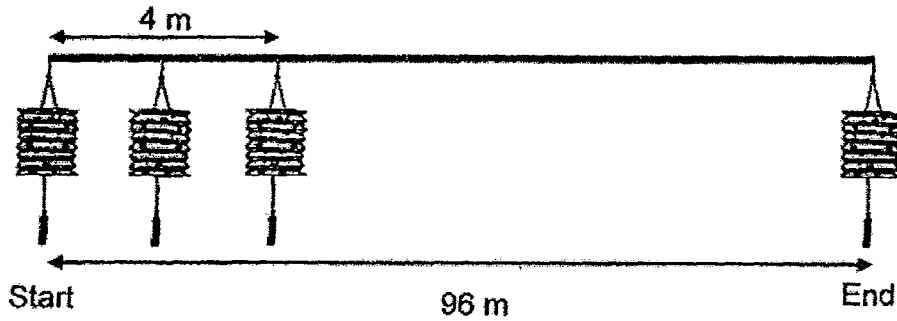
- 36 Miss Peh bought a pair of sports shoes and a tennis racket. She spent  $\frac{2}{5}$  of her money on the sports shoes. She spent \$169 on the tennis racket and had \$8 left.  
How much money did Miss Peh have at first?

Ans: \_\_\_\_\_ [3]

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- 37 Lanterns were hung along the corridor at an equal distance apart during the Mid-Autumn Festival. How many lanterns were used to decorate the corridor that was 96 m long?



Ans: \_\_\_\_\_ [ 3 ]

- 38 Ahmad is between 20 to 50 years old now.  
2 years ago, his age was a multiple of 7.  
7 years later, his age will be a multiple of 10.  
How old is Ahmad now?

Ans: \_\_\_\_\_ [ 3 ]



- 39 At first, a pail that was  $\frac{3}{8}$  filled with sand had a mass of 3.6 kg. When the pail was completely filled with sand, the mass was 6.8 kg. What was the mass of the sand in the pail at first?

Ans: \_\_\_\_\_ [4]

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- 40 Devi and Chai Fen had the same number of stamps at first. After Devi's mother gave her another 142 stamps and Chai Fen gave away 28 stamps, Devi had 6 times as many stamps as Chai Fen. How many stamps did each of them have at first?

Ans: \_\_\_\_\_ [4]

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- 41 The table below shows the favourite sports of the Primary 4 students in a school.

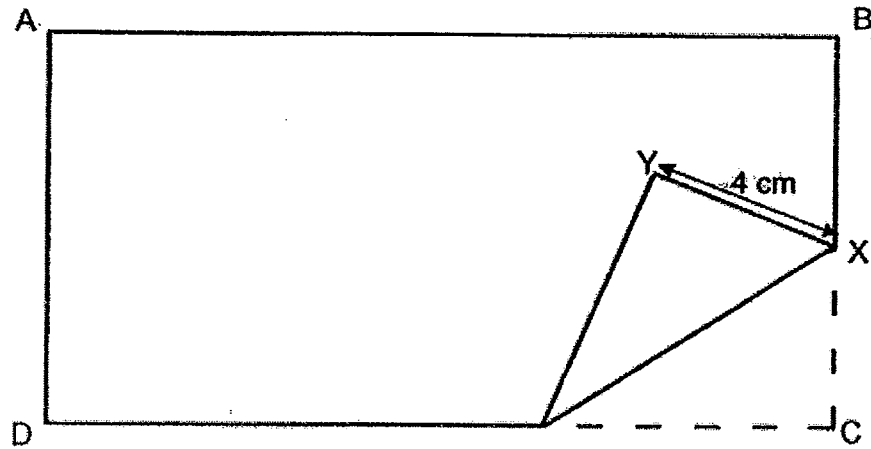
Sports	Number of Boys	Number of Girls
Soccer	65	20
Volleyball	?	?
Swimming	30	40
Basketball	?	15
Total	220	118

- (a) How many girls like to play Volleyball?
- (b) The number of boys who like Basketball is 4 times the number of boys who like Volleyball. How many students like Volleyball?

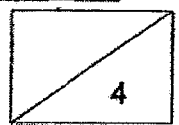
Ans: (a) \_\_\_\_\_ [ 1 ]

(b) \_\_\_\_\_ [ 3 ]

- 42 A rectangular sheet of cardboard ABCD has a perimeter of 56 cm. It is folded at a corner as shown below.  $BX = XC$  and  $XY = 4$  cm. What is the length of AB?



Ans: \_\_\_\_\_ [4]

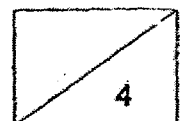


- 43 Josh's weekly pocket money was \$55. He saved \$32.50 of his pocket money and spent the rest on food and transportation. The amount he spent on food was twice the amount he spent on transportation. What fraction of his pocket money did he spend on food? Give your answer in the

Ans: \_\_\_\_\_ [ 4 ]

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End-of-paper  
Check your work carefully



# ANSWER SHEET

EXAM PAPER 2016 (P4)

SCHOOL : AI TONG

SUBJECT : MATHEMATICS

TERM : SA2

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

15)12052

16)8800

17)4/9 and 5/11

18)17

19)1/3

20)6/15

21)6.72

22)40.81

23)64°

24)145min

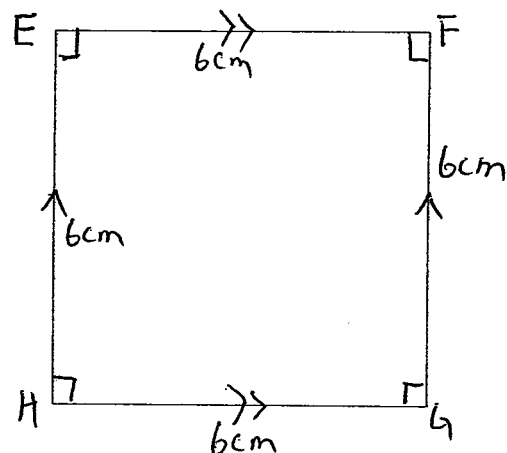
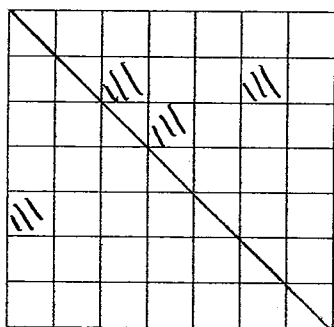
25)5.05kg

26)10

27)30cm

28)

29)



30)Basketball court

31)South – west

32)June

33)November and December

34)700

35) $4045 - 1907 = 2138$

$$2138 \div 4 = 534.50$$

$$534.50 + 1907 = \$2441.50$$

36) $169 + 8 = 177$

$$177 \div 3 = 59$$

$$1u \rightarrow 59$$

$$5u \rightarrow 59 \times 5 = \$295$$

37) $4 \div 2 = 2$

$$96 \div 2 = 48$$

$$48 + 1 = 49$$

38) $23 - 2 = 21$

$$23 + 7 = 30$$

Ans: 23 years old

39) $6.8 - 3.6 = 3.2$

$$3.2 \div 5 = 0.64$$

$$0.64 \times 3 = 1.92\text{kg}$$

40) $142 + 28 = 170$

$$170 \div 5 = 34$$

$$34 + 28 = 62$$

41)a)  $20 + 40 + 15 = 75$

$$118 - 75 = 43$$

b)  $65 + 30 = 95$

$$220 - 95 = 125$$

$$125 \div 5 = 25$$

$$25 + 43 = 68$$

42)  $4 \times 2 = 8$

$$8 \times 2 = 16$$

$$56 - 16 = 40$$

$$40 \div 2 = 20\text{cm}$$

43)  $55 - 32.50 = 22.50$

$$22.50 \div 3 = 7.50$$

$$7.50 \times 2 = 1500$$

$$\underline{15 \div 5}$$

$$15 \div 5$$

$$= 3/11$$

