Pei Chun Public School
Semestral Assessment 2 – 2015
Mathematics
Primary 4

Booklet A

Name: _____ (   )   Date: 27 October 2015

Class: Primary 4 ____   Time: 2 h

Math Teacher: _____

Questions 1 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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(30 marks)

1. In the number 15 980, which digit is in the tens place?

   (1)   1
   (2)   5
   (3)   8
   (4)   9

2. Which of the following is not a factor of 42?

   (1)   6
   (2)   7
   (3)   8
   (4)   14

3. What is the number when 184.56 is rounded off to 1 decimal place?

   (1)   184.0
   (2)   184.5
   (3)   184.6
   (4)   185.0

4.   Which of the following fractions is in its simplest form?

   (1) $\dfrac{4}{8}$

   (2) $\dfrac{2}{5}$

   (3) $\dfrac{3}{9}$

   (4) $\dfrac{2}{6}$

5.   Arrange the following fractions from the greatest to the smallest.

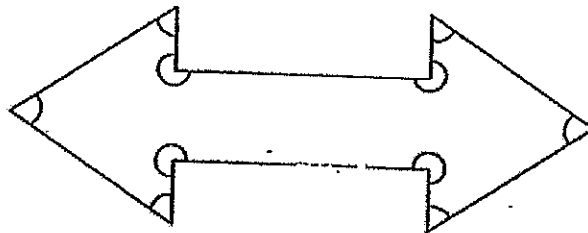 $$\dfrac{1}{6}, \quad \dfrac{7}{9}, \quad \dfrac{11}{18}$$

(greatest)		(smallest)

   (1) $\dfrac{7}{9}$, $\dfrac{1}{6}$, $\dfrac{11}{18}$

   (2) $\dfrac{7}{9}$, $\dfrac{11}{18}$, $\dfrac{1}{6}$

   (3) $\dfrac{11}{18}$, $\dfrac{7}{9}$, $\dfrac{1}{6}$

   (4) $\dfrac{1}{6}$, $\dfrac{7}{9}$, $\dfrac{11}{18}$

6.   How many of the marked angles in the figure are smaller than a right angle?
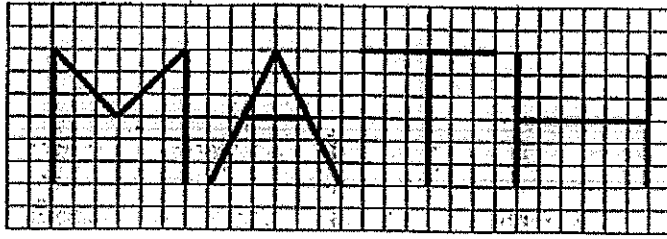

   (1)   6

   (2)   2

   (3)   10

   (4)   4

7. In the diagram below, the letters M, A, T and H are drawn on a square grid.

Which of the above letters has more than one line of symmetry?

(1) M

(2) A

(3) T

(4) H

8. Azri travelled by a bus from Kuala Lumpur to Singapore. The bus journey took 5 h 45 min. He reached Singapore at 15 05. At what time did the bus leave Kuala Lumpur?

(1) 09 20

(2) 10 10

(3) 20 50

(4) 21 20

9. The figure shows an 8-point compass. Sandra was facing East (E) at first. She then turned 225° anti-clockwise.
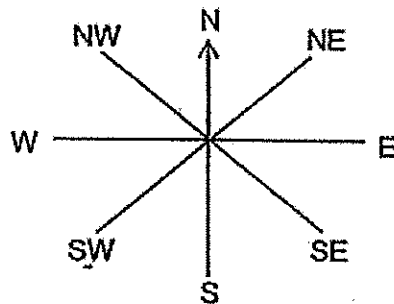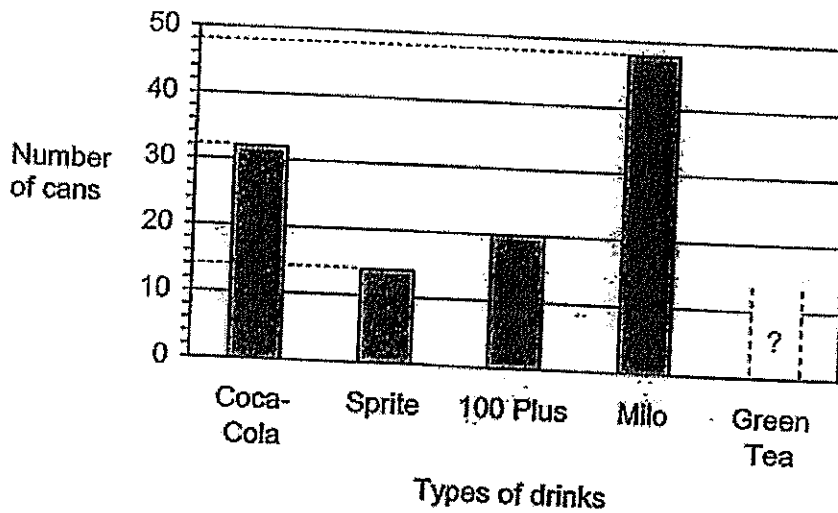

Which direction does she face now?

(1) North-East (NE)

(2) North-West (NW)

(3) South-East (SE)

(4) South-West (SW)

10. In the figure below, PQRS is a square. ∠PSU = 50° and ∠TSR = 75°.
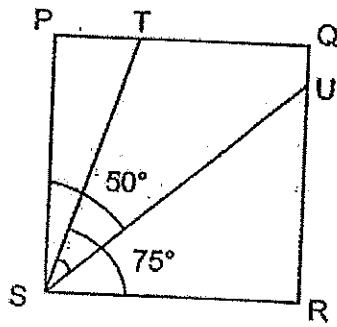
Find ∠TSU.

(1) 15°

(2) 25°

(3) 35°

(4) 40°

11. The bar graph below shows the number of cans of drinks sold by Mr Siva in October.


The number of cans of green tea Mr Siva sold was twice the number of cans of Sprite he sold. How many cans of drinks did Mr Siva sell in October altogether?

(1) 28

(2) 114

(3) 128

(4) 142

12. James had $25.50. Darren had $6.20 more than James. How much money did the two boys have altogether?

    (1) $19.30

    (2) $31.70

    (3) $44.80

    (4) $57.20

13. The figure below is made up of 3 identical squares and a rectangle. The area of each square is 64 cm^2. The breadth of the rectangle is 5 cm.
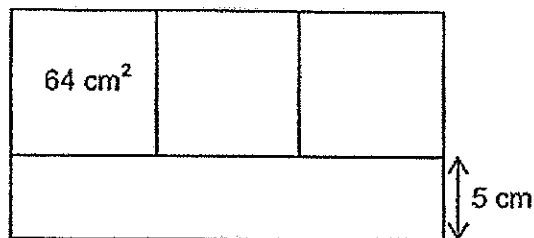
Find the perimeter of the figure.

    (1)   74 cm

    (2)   114 cm

    (3)   186 cm

    (4)   312 cm

14. Adam has a packet of sugar weighing 11 kg. He used 5.2 kg of it and packed the rest equally into 5 containers. What is the mass of sugar in each container?

    (1)   1.04 kg

    (2)   1.16 kg

    (3)   4.20 kg

    (4)   5.80 kg

15. Betty wrote letters and numbers in the pattern as shown below.

S G 5 0 S G 5 0 S G 5 0 S G 5 0 S G 5 0 S G 5 0 ....?

1st 2nd
                                                                    ↑
                                                                    86th

What is the letter in the 86th position in the pattern?

(1)   S

(2)   G

(3)   5

(4)   0

Pei Chun Public School
Semestral Assessment 2 – 2015
Mathematics
Primary 4

Booklet B

Name : _____ (15)

Class : Primary 4 ____

Date : 27 October 2015

Time : 2 h

Maths Teacher : _____

Parent's Signature : _____

Marks :

Booklet A	/30
Booklet B	/70
T O T A L	/100

Questions 16 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. (30 marks)

16. What is the value of the digit 3 in 43 581?

Answer : _____

17. What number is 100 more than 59 998?

Answer : _____

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

Answer : _____ and _____

SCORE

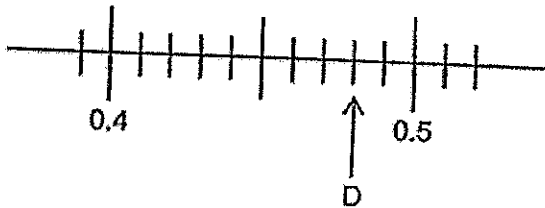19. Which two of the fractions below are equivalent to $\frac{8}{12}$?

$$\frac{16}{24} \quad , \quad \frac{6}{10} \quad , \quad \frac{4}{6} \quad , \quad \frac{3}{4}$$

Answer : _____ and _____

20. $\frac{1}{2} - \frac{3}{10} = $ _____

Answer : _____

21. Write the decimal represented by D.

Answer : _____

22. Arrange these numbers from the smallest to the greatest.

$$0.826 \quad , \quad 3.\overline{7} \quad , \quad 0.30\overline{7} \quad , \quad 0.016$$

Answer : _____ , _____ , _____ , _____
(smallest)   (greatest)

SCORE

23. Find the value of 3.74 × 8.

Answer : _____

---

24. ABCD is a rectangle. Find ∠y.
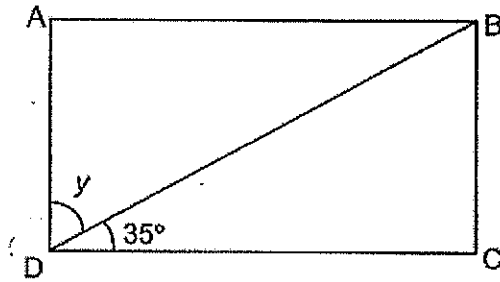
Answer : _____ °

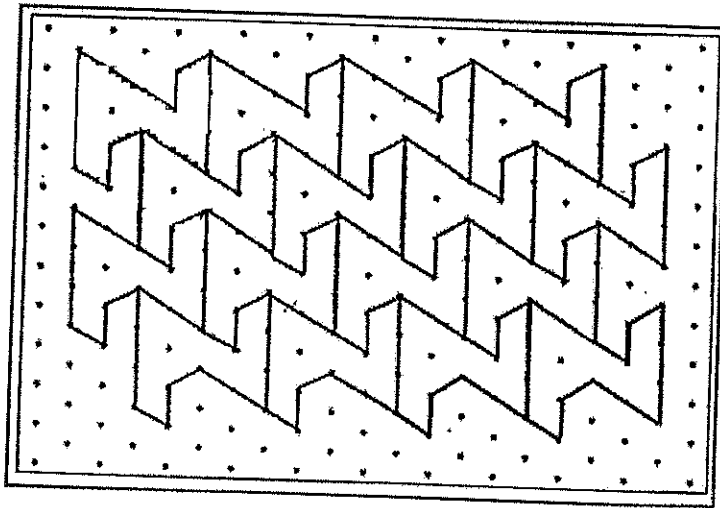
25. In the space below, draw ∠XYZ = 137°. The line YZ has been drawn for you. Mark and label the angle.
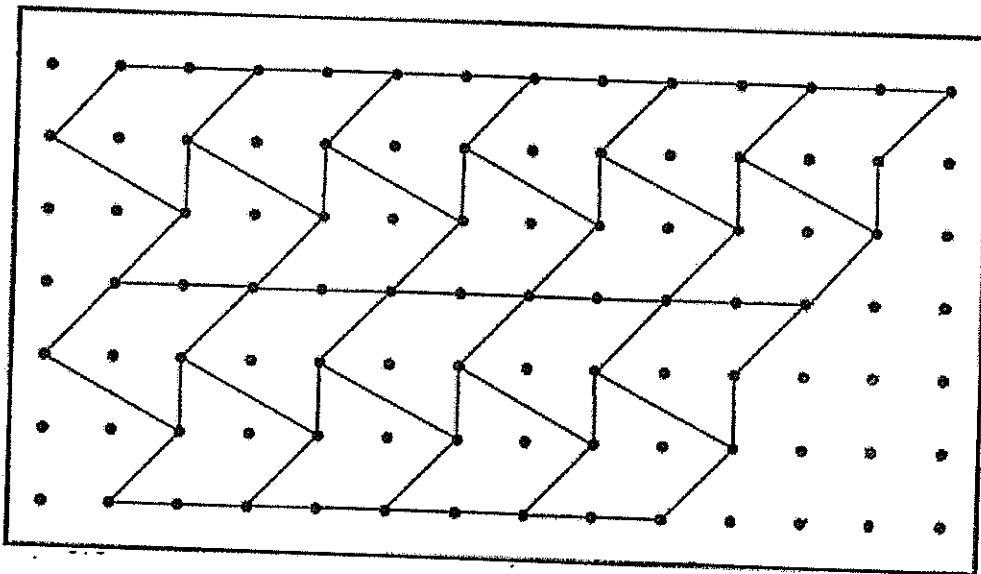
SCORE

26. (a) The pattern in the box shows part of a tessellation. Shade a unit shape of the tessellation.
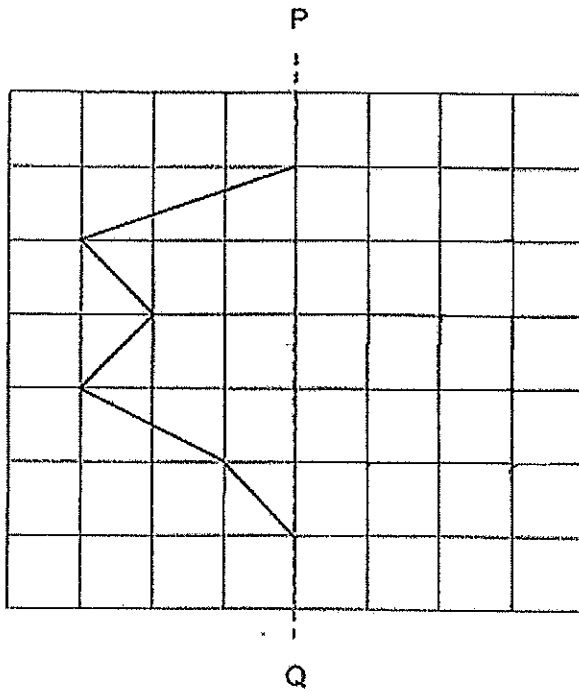
(b) The pattern in the box shows part of a tessellation. Extend the tessellation by drawing **two** more unit shapes in the space provided in the box.

SCORE

(Go on to the next page)

27. Complete the symmetric figure below so that line PQ is the line of symmetry.

P

Q

---

28. The table shows the number of chocolate cakes and mango cakes baked on 4 days of a week.

Days	Chocolate Cakes	Mango Cakes
Tue	40	20
Wed	17	51
Thu	50	20
Fri	33	33

(a) On which day were there more mango than chocolate cakes baked?

(b) On which day was the most number of cakes baked?

Answer : (a) _____

(b) _____

SCORE

29. The table shows the schedule of the show times at a bird park.

Show	Start time	Duration
Fly with Hawks Show	10 00, 13 00	30 min
Parrots Paradise Show	10 45, 16 30	40 min
Wings of Asia Show	11 15, 14 30	45 min
World of Darkness Show	12 00, 16 15	1 h

(a) Jimei watched the Parrots Paradise Show at 10 45. What time did the show end? Give your answer in 24-hour time.

(b) Peter arrives at the bird park with his classmates at 1.15 p.m. The bus will pick them up at 5 p.m. What show can Peter watch from the start to the end?

Answer : (a) _____

(b) _____

30. The graph below shows the amount of money collected from the sale of T-shirts for 5 days.
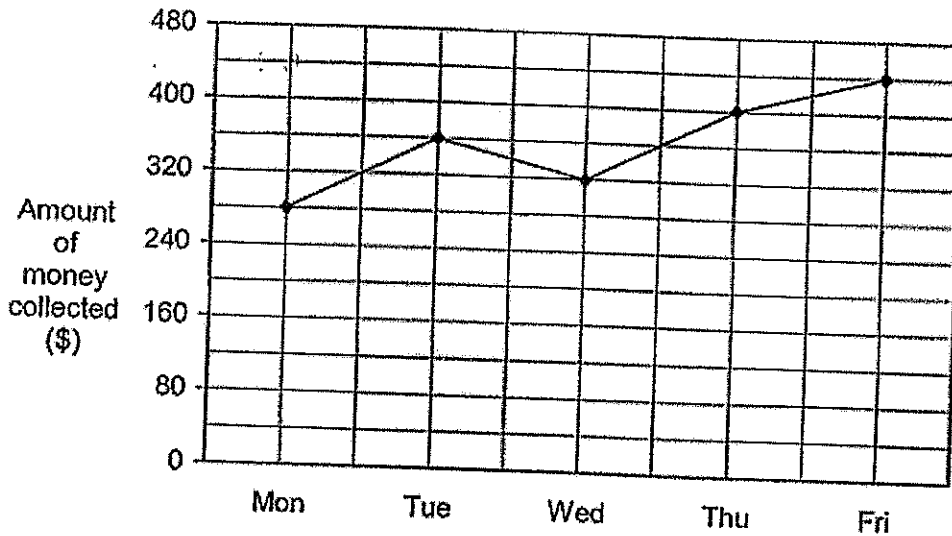
If each T-shirt was sold for $4, how many more T-shirts were sold on Friday than on Wednesday?

Answer : _____

SCORE

For questions 31 to 40, show your working clearly 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.
(40 marks)

31. A baker baked 5640 tarts. He packed all the tarts into boxes of 6 and sold them at $12 per box. The baker sold 543 boxes of tarts.

    (a) How many boxes of tarts did the baker pack?

    (b) How much money was collected from the sale of the tarts?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

32. Mr Bala had 56 guppies. He gave $\frac{1}{4}$ of them to his friend and $\frac{5}{8}$ of them to his neighbour. He kept the rest of the guppies for himself.
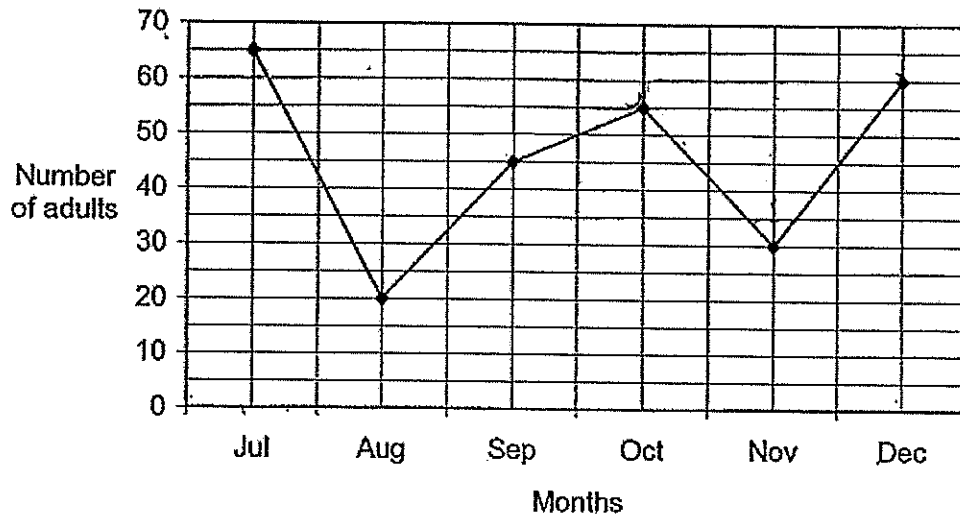
(a) How many guppies did he give away altogether?

(b) What fraction of the guppies did he keep for himself?

Answer : (a) _____ [3]

(b) _____ [1]

SCORE

33. The graph below shows the number of adults who passed the driving test in 6 months.

(a) Between which two months was the increase in the number of adults who passed the driving test the greatest?

(b) 28 women passed the driving test in July.
How many men passed the driving test in July?

(c) How many adults passed the driving test from September to November?

Answer : (a) _____ and _____ [1]

(b) _____ [1]

(c) _____ [2]

SCORE

34. Three jugs, A, B and C, contain a total of 73.2 ℓ of water. Jug A contains 3.7 ℓ of water more than Jug B. Jug B contains 2.8 ℓ of water more than Jug C. What is the volume of water in Jug B?

Answer : _____ [4]

SCORE

35. David bought 2 identical boxes of colour pencils and 5 identical notebooks for a total of $45. A box of colour pencils cost $13.50.

(a) Find the cost of the 2 boxes of colour pencils.

(b) How much did David pay for each notebook?

Answer : (a) _____ [1]

(b) _____ [3]

SCORE

36. A carton packed with 1 packet of rice weighs 5.62 kg. The same carton when packed with 4 such packets of rice weighs 21.43 kg.

(a) Find the mass of 1 packet of rice in kg.

(b) Find the mass of the empty carton in kg.

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

37. A shop had 30 violins and some guitars. During a sale, $\frac{1}{3}$ of the violins and $\frac{1}{5}$ of the guitars were sold. 64 guitars were left unsold.

   (a)   How many violins were sold?

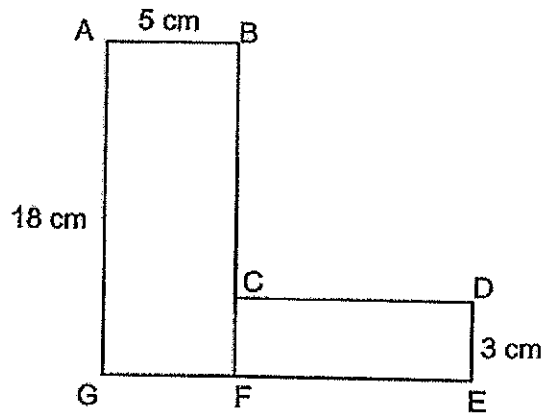   (b)   How many violins and guitars were sold altogether?

Answer : (a) _____ [1]

(b) _____ [3]

SCORE

38. The figure is made up of 2 rectangles. The area of the figure is 126 cm².

(a) What is the length BC?

(b) What is the area of rectangle CDEF?

Answer : (a) _____ [1]

(b) _____ [3]

SCORE

39. Aloysius and Song Kai had a total of 174 cards at first. After Aloysius bought 23 more cards and Song Kai gave away 17 cards, Aloysius now has the same number of cards as Song Kai. How many cards did Aloysius have at first?

Answer : _____ [4]

SCORE

40. Nai Ling created a number pattern as shown below.

	Column P	Column Q	Column R	Column S	Column T
Row 3		34	35	36	37
Row 4	38	39	40	41	42
Row 5	43	44	45	46	47

(a) What number can be found in Row 26, Column Q?

(b) In which row will the number 284 be found?

Answer : (a) _____ [2]

(b) _____ [2]

End of Paper

EXAM PAPER 2015

SCHOOL : PEI CHUN

SUBJECT : P4 MATHEMATICS

TERM : SA2

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

Q11	Q12	Q13	Q14	Q15
4	4	1	2	2

16) 3000

17) 59 998 + 100 = <u>60098</u>

18) 5 and 15

19) 4/16 and 16/24

20) 1/2 – 3/10 = <u>2/10</u>

21) 0.48

22) 0.016, 0.307, 0.826, 3.7

23) 3.78 x 8 = <u>29.92</u>

24) 90 – 35 = <u>55°</u>

25)

26) a)
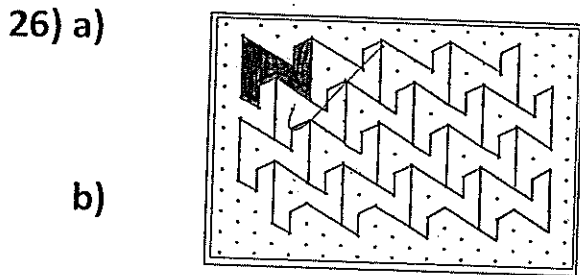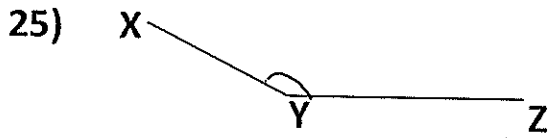
b)
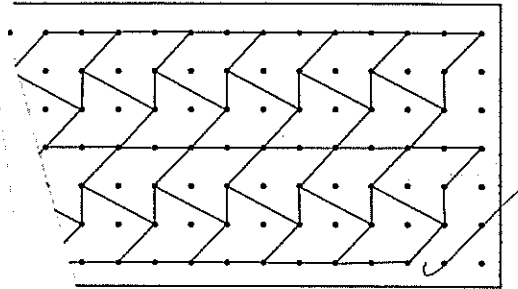
27)
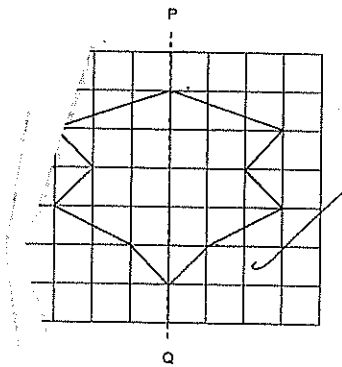
28) a) Wednesday

b) Thursday

29) a) 11 25

b) Wings of Asia

30) $440 ÷ 4 = 110

$320 ÷ 4 = 80

110 − 80 = 30

31) a) 5640 ÷ 6 = 940

b) 543 x 12 = $6516

32) a) $56 \div 8 = 7$

   $7 \times 7 = \underline{49}$

   b) $2/8 + 5/8 = 7/8$

   $8/8 - 7/8 = \underline{1/8}$

33) a) Nov and Dec

   b) $65 - 28 = \underline{37}$

   c) $45 + 55 + 30 = \underline{130}$

34) $73.2 - 2.8 - 2.8 - 3.7 = 63.9$

   $63.9 \div 3 = 21.3$

   $21.3 + 2.8 = \underline{24.1}$

35) a) $13.50 \times 2 = \underline{27}$

   b) $45 - 27 = 18$

   $18 \div 5 = \underline{3.6}$

36) a) $15.81 \div 3 = \underline{5.27kg}$

   b) $5.62 - 5.27 = \underline{0.35kg}$

37) a) $30 \div 3 = \underline{10}$

   b) $64 \div 4 = 16$

   $16 + 10 = \underline{26}$

38) a) $18 - 3 = \underline{15}$

b) $126 - 90 = \underline{36}$

39) $174 + 23 = 197$

$197 - 17 = 180$

$180 \div 2 = 90$

$90 - 23 = \underline{67}$

40) a) $30 \times 5 = 150$

$150 - 1 = \underline{149}$

b) $284 + 1 = 285$

$285 \div 5 = 57$

$57 - 4 = \underline{53}$