Name: _____ (   )   Class: Primary 4 ____

Date: 9 May 2014   Duration of Booklets A & B: 1h 45min

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 8 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answer on the Optical Answer Sheet (OAS) provided.

SECTION A - Multiple Choice Questions (30 MARKS)

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 (OAS).

1.   The value of the digit 8 in 48 329 is _____

      (1)   8 tens

      (2)   80 tens

      (3)   800 tens

      (4)   8 000 tens

2. $9 \times 10\,000 + 3 \times 1\,000 + 7 \times 100 + 5 \times 1 =$ _____

      (1)   93 751

      (2)   93 750

      (3)   93 715

      (4)   93 705

3.   48 is not a multiple of _____.

      (1)   12

      (2)   14

      (3)   16

      (4)   24

4. Mrs Ang gave out 18 cupcakes and 24 cookies equally among her children. How many children does she have?

    (1) 9

    (2) 8

    (3) 6

    (4) 4

5. After giving away 7 brownies, Samantha had 5 brownies left. What fraction of her brownies did she give away?

    (1) $\dfrac{2}{7}$

    (2) $\dfrac{5}{7}$

    (3) $\dfrac{5}{12}$

    (4) $\dfrac{7}{12}$

6. A number, when divided by 7, gives a quotient of 122 and a remainder of 6. What is the number?

    (1) 732

    (2) 739

    (3) 854

    (4) 860

7. Which of the following mixed numbers is represented by the letter A in the number line shown?
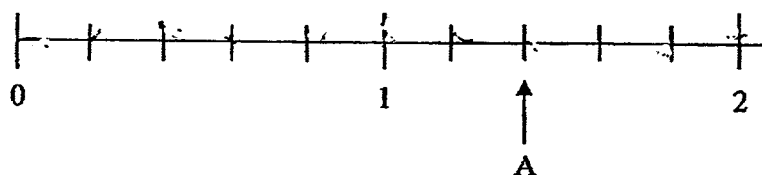
(1) $1\dfrac{1}{2}$

(2) $1\dfrac{2}{5}$

(3) $2\dfrac{3}{5}$

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

8. Find the value of $\dfrac{5}{6} - \dfrac{1}{3}$.

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

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

(3) $\dfrac{7}{6}$

(4) $\dfrac{1}{2}$
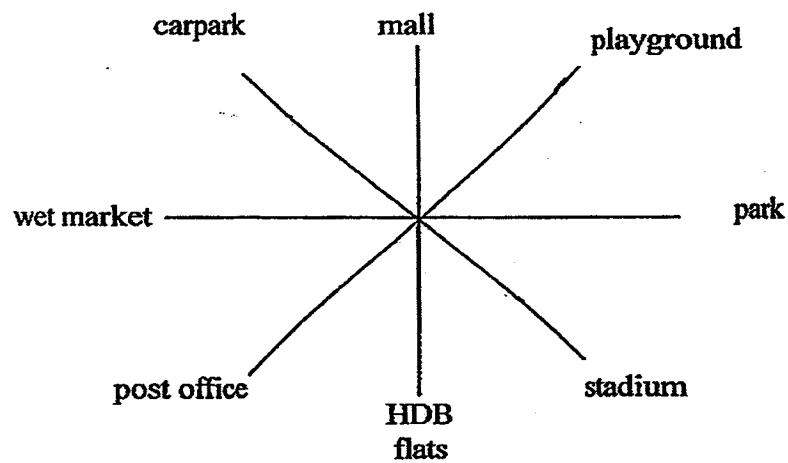
9. 18 037 rounded off to the nearest hundred is _____

    (1) 18 000

    (2) 18 040

    (3) 18 100

    (4) 18 500

10. Tom is facing the stadium at the moment. If he turns 225° clockwise, he will be facing the _____
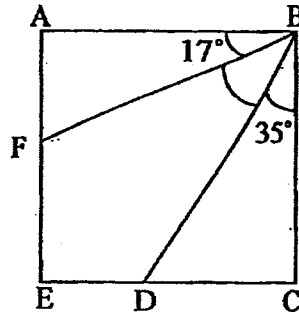

    (1) post office

    (2) mall
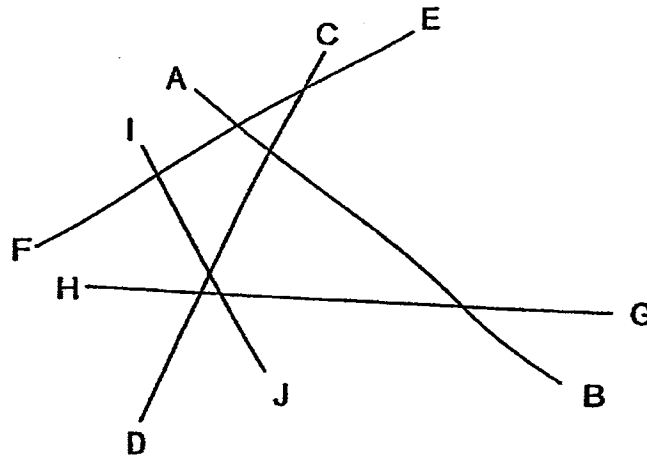
    (3) playground

    (4) wet market

11. The line AB is perpendicular to BC. Find ∠ABD.

(1) 18°

(2) 38°

(3) 52°

(4) 55°

12. The figure below is made up of straight lines. Which two lines are perpendicular?
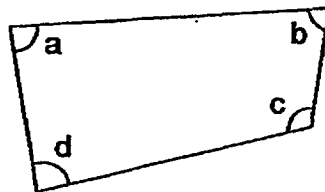

(1) AB and HG

(2) EF and IJ

(3) HG and CD

(4) EF and HG

13. The figure below shows Square A and Rectangle B. The length of Square A is 8 cm and the breadth of Rectangle B is 6 cm. If both the Square A and Rectangle B have the same perimeter, find the area of Rectangle B.
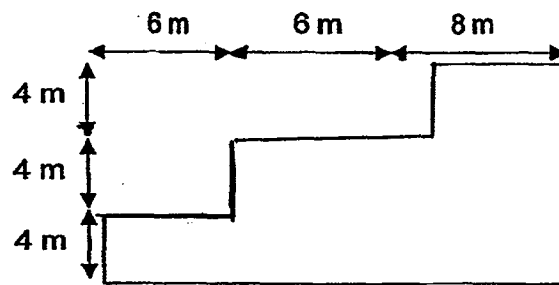
A   8 cm   B   6 cm
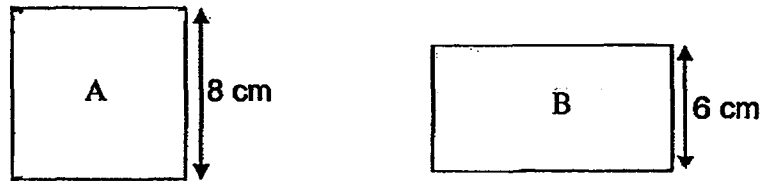
(1) 32 cm^2

(2) 48 cm^2

(3) 60 cm^2

(4) 64 cm^2

14. In the figure below, which angle is greater than a right angle?

a   b
           c
d

(1) $\angle$a

(2) $\angle$b

(3) $\angle$c

(4) $\angle$d

15. What is the area of the figure?

(1) 144 m²

(2) 168 m²

(3) 240 m²

(4) 400 m²

Anglo-Chinese School (Primary)

MID-YEAR EXAMINATION 2014
MATHEMATICS
BOOKLET B
PRIMARY FOUR

Name: _____ (   )   Class: Primary 4___

Date: 9 May 2014   Duration of Booklets A & B: 1h 45min

_____
Parent's/Guardian's signature.

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 17 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.

Setion	Maximum marks	Marks Obtained
A. Multiple-Choice Questions	30	
B. Short Answers	40	
C. Problem Sums	30	
Total Marks	100	

SECTION B - Short Answer Questions (40 Marks)

Questions 16 to 35 carry 2 marks each. Show all workings clearly.
Write your answer in the space provided. Give your answers in the units stated and in its simplest form whenever possible.

16.   Write thirteen thousand, six hundred and four in figures.

Answer : _____

17.   Given that ☀ x 8 = 5 632

Find the value of ☀

Answer : _____

18.   Two factors of 39 are 1 and 39. What are the other factors of 39?

Answer : _____ and _____

19. This year, Kate's age is a 2-digit multiple of 4. Next year, her age will be a multiple of 9. If Kate is less than 50 years old, how old is she this year?
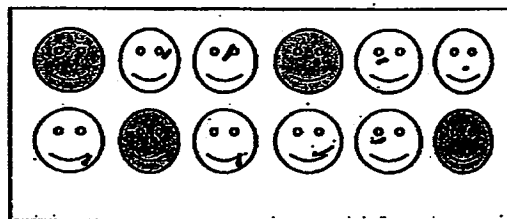
Answer : _____

20. What is the value of $\dfrac{3}{4} + \dfrac{7}{8}$?
    Express your answer as a mixed number.

Answer : _____

21. What fraction of the faces shown are shaded?
    Give your answer in the simplest form.

Answer : _____

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

31 486, 13 684 , 31 648, 13 846

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

23. What is the missing number in the box?

$$5\frac{2}{3} = \frac{\boxed{?}}{12}$$

Answer : _____

24. There were 154 chickens and ducks. $\frac{2}{7}$ of them were chickens and the rest were ducks. How many more ducks than chickens were there?
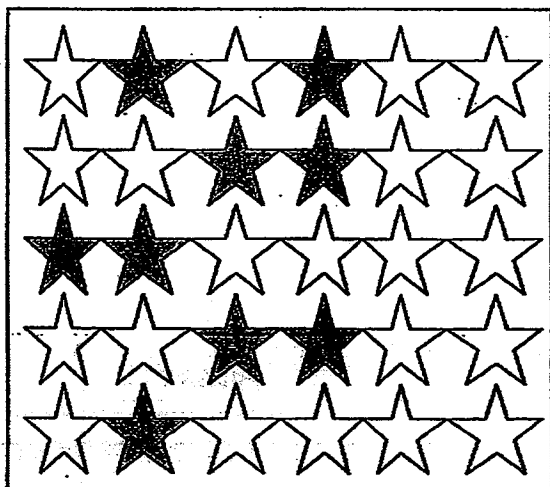
Answer : _____

4

25. What fraction of 3 years is 15 months? Give your answer in its simplest form.

Answer : _____

26. Mrs Lee baked some cakes from Monday to Wednesday. Each day, she baked 10 more cakes as the day before. Over the 3 days, she baked 150 cakes. How many cakes did she bake on Monday?
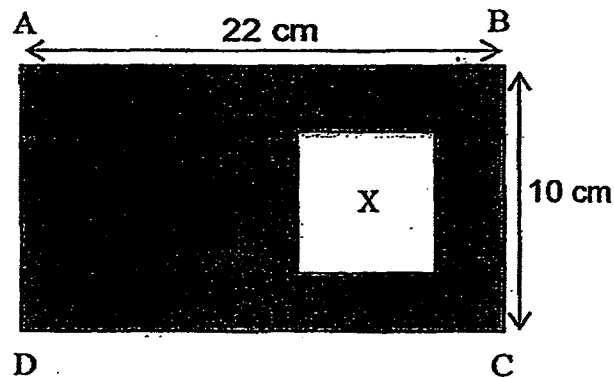
Answer : _____

27. The figure below shows 30 stars. 9 stars are shaded. If $\dfrac{7}{10}$ of all the stars are to be shaded, how many more stars need to be shaded?

Answer : _____

28. In the figure below, ABCD is a rectangle. AB = 22 cm and BC = 10 cm.

If the area of the shaded part of the figure is 184 cm^2, what is the length of the Square X?
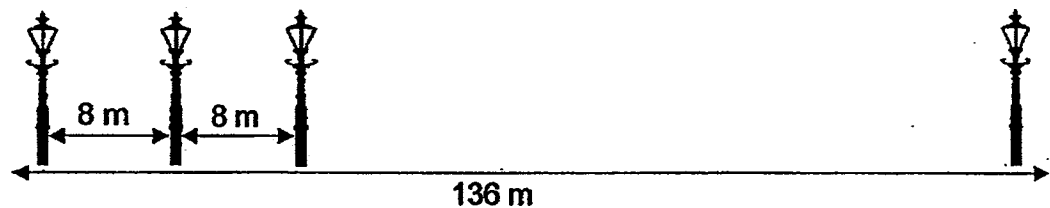

Answer : _____ cm

29. 1 kilogram of salmon costs $136. How much would $\frac{3}{4}$ kilogram of salmon cost?

Answer : $ _____

30. Dan bought some sweets. He gave $\frac{1}{4}$ of the sweets to Evan and $\frac{1}{8}$ of them to Fifi. If Dan gave 20 sweets to Evan, how many sweets did he give to Fifi?
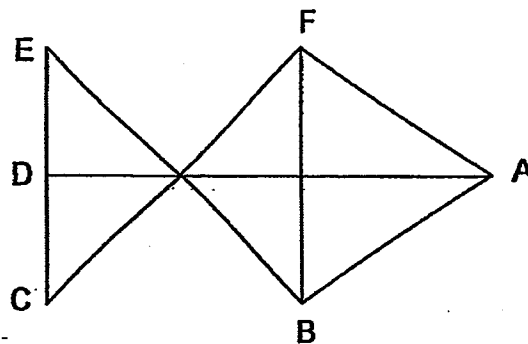
Answer : _____

31. Some lamp posts are planted in a row. The distance from the first lamp post to the last lamp post is 136 m. If the distance between one lamp post to the next lamp post is fixed at 8 m, how many lamps are there altogether?
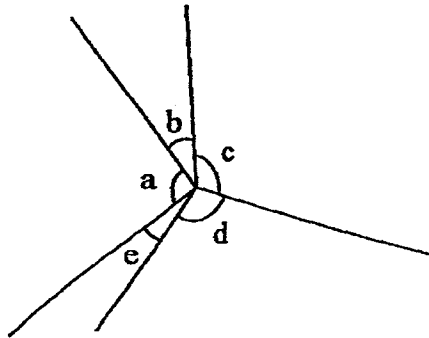

Answer : _____

32. One of the lines in the figure is parallel to CE.
Which line is parallel to CE?

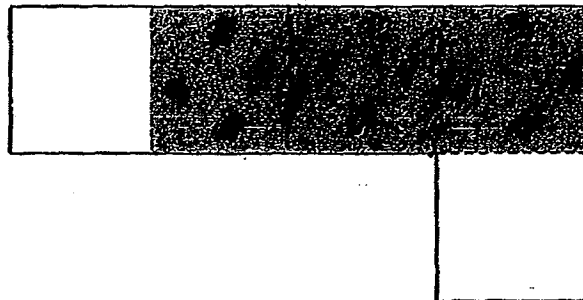Answer : _____

7

33. In the figure below, name the two angles that are smaller than 90°.
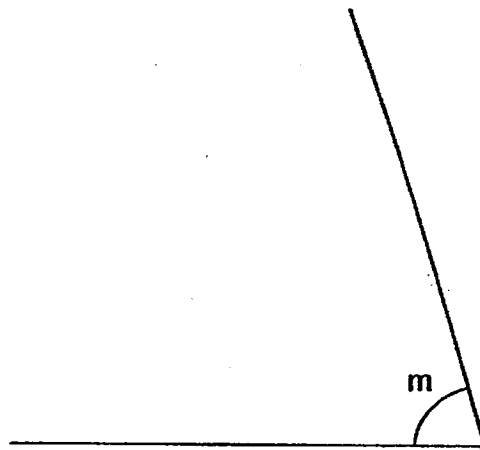

Answer : $\angle$ _____ and $\angle$ _____

34. The figure below is made up of a rectangle and 2 identical squares. The area of each square is 49 cm^2. If the area of the shaded rectangle is 105 cm^2, what is the perimeter of the figure?

Answer : _____ cm

8

35.   Measure and write down the size of $\angle$ m.

Answer : _____ ^{0}

SECTION C - Problem Sums (30 Marks)

For each question from 36 to 43, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenevi possible. Marks awarded are shown in the brackets [ ].

36. Mr Tong wants to buy a total of 39 T-shirts for his pupils. Each T-shirt costs $17.

    If Mr Tong has $235, how much more money does he need?

Answer: _____ [3]

37. Andrea and Ben had 3 678 oranges altogether. After Andrea gave 34 oranges to Ben, she had 5 times as many oranges as Ben. How many oranges did Ben have at first?

Answer: _____ [3]

38. A rectangular plot of land measures 85 m by 45 m. A pond, with an area of 1 730 m^2, is built within the rectangular plot of land, as shown in the figure below. The area outside of the pond is covered with landscaped grass. If each 1 m^2 of landscaped grass cost $8, how much does it cost to cover the whole area outside the pond with grass?
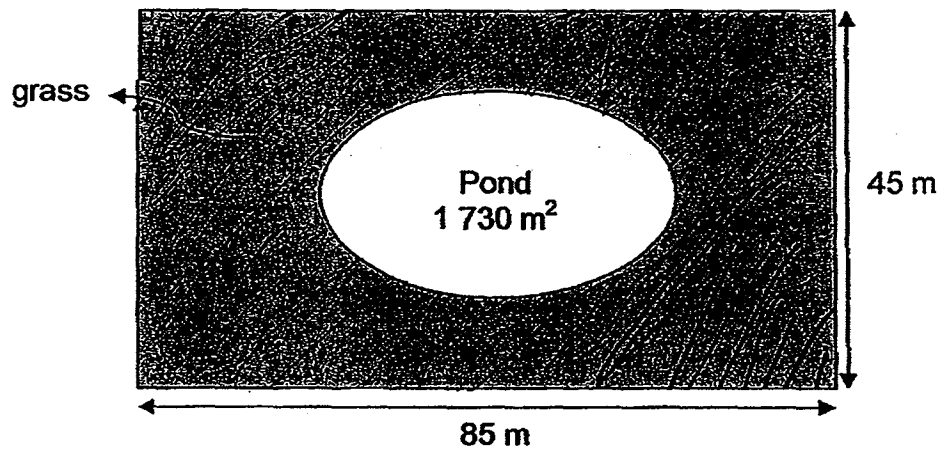
Answer: _____ [4]

39. A company has 820 employees. $\dfrac{1}{4}$ of the employees wear spectacles.

a) How many employees do not wear spectacles?

b) If $\dfrac{3}{5}$ of the employees are female, how many male employees are there in the company?

Answer: (a) _____ [2]

(b) _____ [2]

40. The figure below, not drawn to scale, shows two squares DEGI and JFGH. IH = EF = 4 cm. Given that the area of the JFGH is 144 cm^2, what is the perimeter of the shaded region?
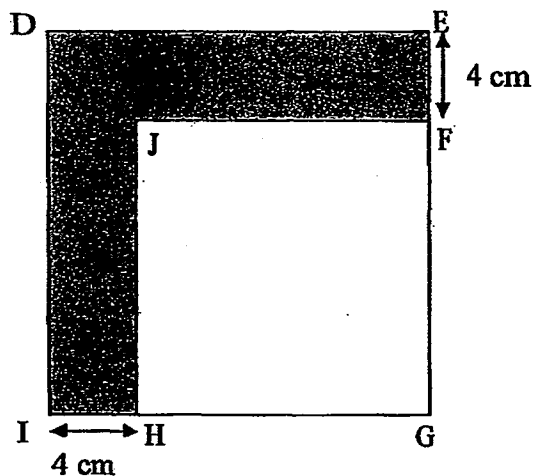
Answer: _____ [4]

41. Edward gave away 372 stamps and had $\frac{2}{5}$ of his stamps left. His sister, Alice, gave away the same number of stamps as him and had $\frac{3}{4}$ of her stamps left. How many stamps did Edward and Alice have altogether at first?

Answer: _____ [4]

42. There were 482 sweets in Box A and 98 sweets in Box B at first. After an equal number of sweets were added into each box, there was four times as many sweets in Box A as Box B. How many sweets were added into each box?

Answer: _____ [4]

43. At a florist, $\frac{5}{8}$ of the flowers are roses. $\frac{2}{9}$ of the remaining flowers are lilies and the rest are tulips. If there are 1 408 more roses than tulips at the florist, how many flowers are there at the florist?

Answer: _____ [4]

Anglo-Chinese School (Primary)

Mid-year Examination 2014

Mathematics Primary 4

1) 3

2) 4

3) 2

4) 3

5) 4

6) 4

7) 2

8) 4

9) 1

10) 2

11) 4

12) 2

13) 3

14) 3

15) 2

16) 13 604

17) 704

18) 3 & 13

19) 1 year less than multiple of 9 must b also a multiple of 4. Ans : 44 years old

20) 1⅝

21) ⅓

22) 31 648, 31 486, 13 846, 13 684

23) $5\frac{2}{3} = 17/3 = 68/12$ Ans: 68

24) $5u-2u = 3u$

   $7u \longrightarrow 154$

   $3u \longrightarrow 3/7 \times 154 = 66$ more ducks than chickens

25) $15/36 = 5/12$

26)

Monday

Tuesday

Wednesday

$\}$ 150
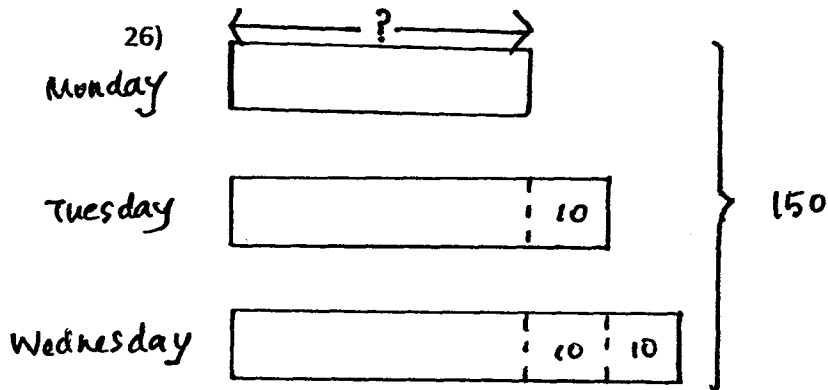
   $150-30 = 120$

   $120/3 = 40$ cakes

27) $7/10 = 21/30$

   $21-9 = 12$ more stars

28) $22cm \times 10cm = 220\ cm^2$

   $(220-184)\ cm^2 = 36\ cm^2$

   $36cm^2 = \underline{6cm} \times \underline{6cm}$

29) $\frac{3}{4} \times \$136 = \$102$

30)
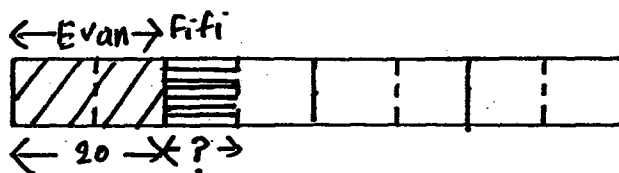
   $20/2 = 10$

31) 136m/8 = 17 (intervals)

   17+1 = 18 lamp posts

32) BF

33) Angle e & Angle b

34) 49 cm² = 7cm X 7cm

   105 cm²/7 cm = 15 cm

   15cm + 7cm = 22 cm

   7cm X 2 = 14 cm

   Perimeter of the figure = 22cm + 22cm + 14cm + 14cm = 72 cm

35) 73°

36) 39 X $17 = $663

   $(663-428) = $428

37)
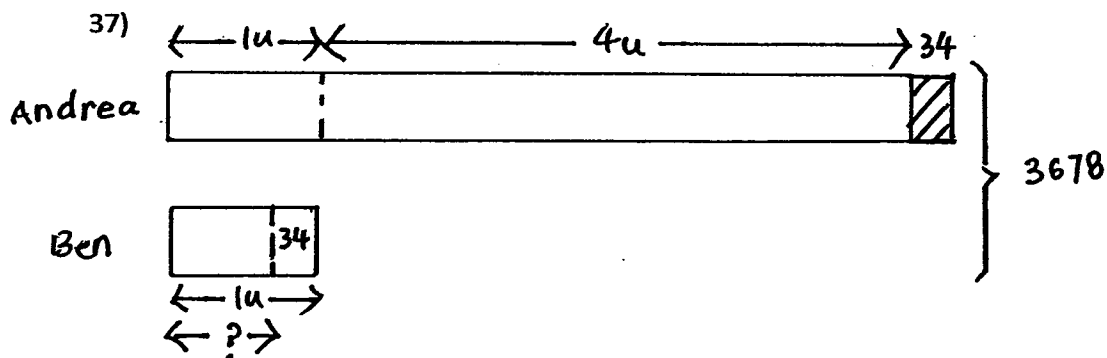
   3678/6 = 613

   613-34 = 579 oranges at first

38) 85m X 45m = 3825 m²

   (3825-1730) m² = 2095 m²

   1 m² --> $8

   2095 m² --> 2095 m² X $8 = $16 760

39) 1-¼ = ¾

a) ¾ X 820 = 615 employees

1-⅗ = ⅖

b) ⅖ X 820 = 328 male employees

40) 144 cm² = 12cm X 12cm (length of JFGH)

(4+12) cm = 16 cm (length of DEGI)

Perimeter of shaded region = 16cm X 4 = 64 cm

41)

372/3 = 124

124X17 = 2108 stamps

42)
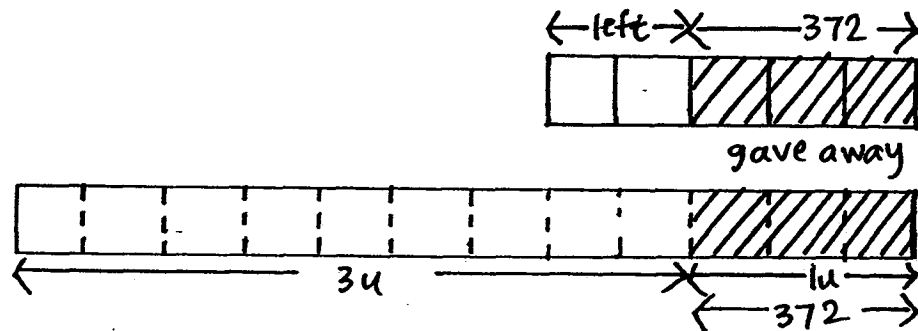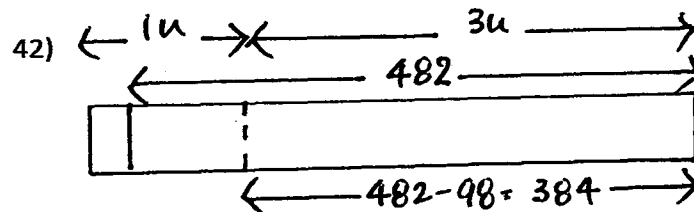
Box A

Box B
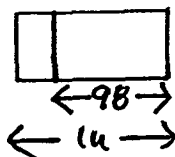
482-98 = 384

3u --> 384

1u --> ⅓ X 384 = 128

128-98 = 30 sweets were added to each box

43)

15u−7u = 8u

8u --> 1408

24u --> 24/8 X 1408 = 4224 flowers