Pei Hwa Presbyterian Primary School
Second Semestral Assessment (SA2) 2011
Mathematics
Primary 3
(Time: 1 hour 45 min)

Total

/100

Name: _____ ( )   Class: Primary 3 Responsibility ( )

Date : 28 October 2011   Parent's Signature: _____

Section A: Multiple Choice Questions (20 × 2 = 40 marks)

Questions **1** to **20** 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.

1. In 1 384, the digit '8' is in the _____ place.

   (1) ones   (2) tens

   (3) hundreds   (4) thousands   (   )

2. Subtract 456 from 1 258.

   (1) 1 714   (2) 1415

   (3) 802   (4) 724   (   )

3. What is the sum of all the **even** numbers between 16 to 26?

   (1) 126   (2) 110

   (3) 84   (4) 42   (   )

4. 54 desks are arranged in 3 rows. The number of desks in each row is the same. How many desks are there in 2 rows?

   (1) 17   (2) 18

   (3) 20   (4) 36   (   )

5.   95 + 7 = _____.

    (1) 102   (2) 103

    (3) 104   (4) 112   (   )

6.   100 – 38 = _____.

    (1) 138   (2) 132

    (3) 72   (4) 62   (   )

7.   32 ÷ 4 = 48 ÷ _____.

    (1) 6   (2) 2

    (3) 8   (4) 4   (   )

8.   Complete the following pattern.

        6011, 6001, _____, 5981, 5971

    (1) 5091   (2) 5901

    (3) 5990   (4) 5991   (   )

9.   87 × 5 = _____.

    (1) 92   (2) 405

    (3) 425   (4) 435   (   )

10. The value of 3 twenty-cent coins and a $2 note is _____.

(1) $2.20   (2) $2.30

(3) $2.60   (4) $2.90   (   )

11.

Bread
$1.50

Packet drink
$0.95

Hamburger
$2.40

Ice cream
$2

slice of cake
$3

canned drink
$1.25

Beatrice has $5. After buying 2 different items, she has $1.05 left. She bought
_____ and _____.

(1) an ice cream and a canned drink
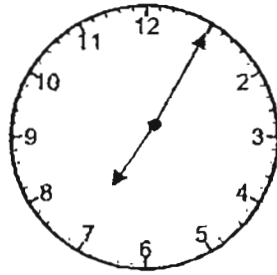
(2) a hamburger and a packet drink

(3) a slice of cake and a canned drink

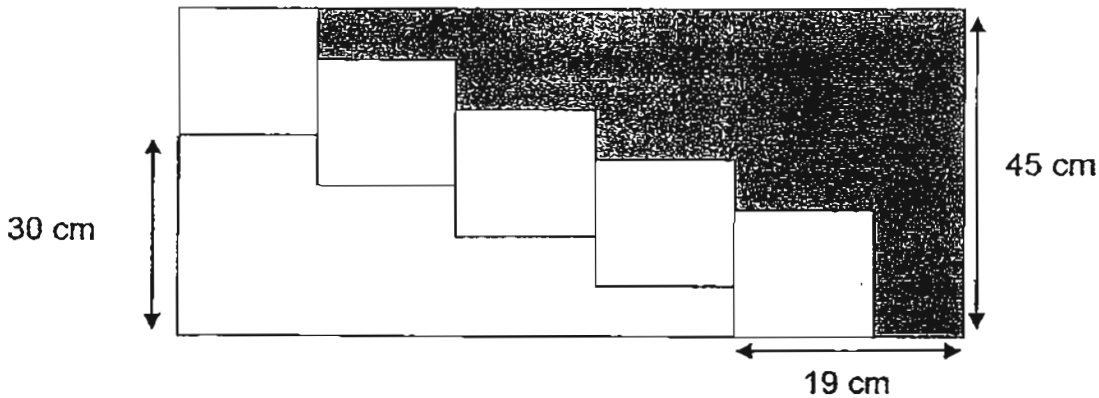(4) a slice of cake and a packet drink   (   )

3

12. Anson left home at 6.30 a.m. to go to school. He reached school at the time shown on the clock. How long did he take to travel to school?

(1) 30 min

(2) 35 min

(3) 70 min

(4) 75 min

( )

13. Five identical square tiles were pasted onto a rectangular wall shown below. What is the perimeter of the shaded part?
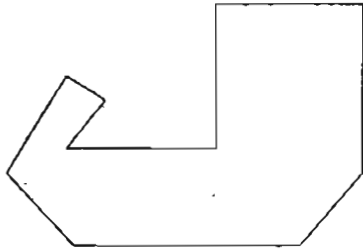

30 cm

45 cm

19 cm

(1) 114 cm

(2) 119 cm

(3) 200 cm

(4) 218 cm

( )

14. Brian spent $\frac{2}{9}$ of his money on books and $\frac{1}{3}$ of his money on pants. What fraction of his money was left?

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

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

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

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

( )

4

15. How many angles inside the figure are bigger than a **right** angle?

(1) 5   (2) 6

(3) 7   (4) 8   ( )

16. Which one of the following is **not** an equivalent fraction of $\frac{2}{3}$?

(1) $\frac{4}{6}$ (2) $\frac{10}{18}$

(3) $\frac{8}{12}$ (4) $\frac{6}{9}$ ( )

17. Tina mixes 150 ml of apple juice, 500 ml of grape juice and 600 ml of cold water together. Which one of the following types of containers has the capacity to hold the mixture?
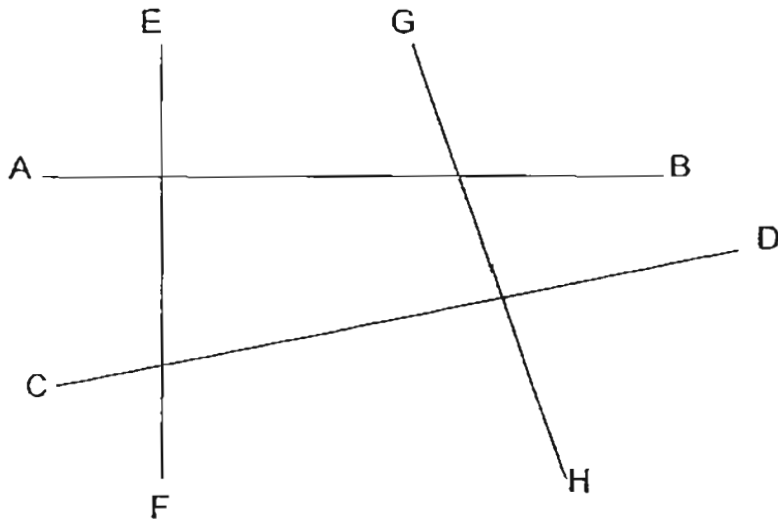
(1) 1l jug   (2) 950 ml juice tumbler

(3) 1200 ml pitcher   (4) 1500 ml bottle   ( )

18. In the diagram below, line AB is perpendicular to line_____.

(1) GH   (2) EF

(3) CD   (4) DH   (   )

19. The mass of a melon is 640 g. It is 4 times as heavy as an apple. What is the total mass of the melon and the apple?

(1) 160 g   (2) 800 g

(3) 2 560 g   (4) 3 200 g   (   )

20. 7 km 89 m = _____ m .

(1) 789   (2) 7 089

(3) 7 809   (4) 7 890   (   )

6

Section B: (20 × 2 = 40 marks)
Solve each of the following problems.
Show all your working and statements clearly. Write your answers in the spaces provided.

21. Write 6 thousands 35 hundreds and 2 tens in numerals.

    Answer:_____

22. 8 × 3 is the same as 6 × [   ]

    Answer:_____

23. Vivian had an appointment with Mrs Tan at 3.15 p.m.. She was 20 minutes early. What time did Vivian arrive?

    Answer:_____p.m.

24. Jenny earned $192 a day. If she worked eight hours in a day, how much did she earn in an hour?
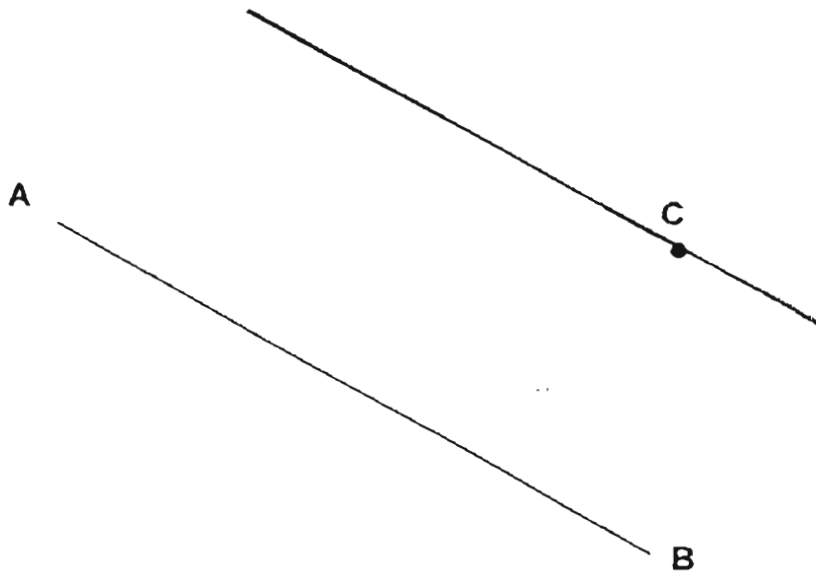
    Answer:$_____

25. Write down the largest 4-digit **odd** number that can be formed using the digits 6, 3, 0, 5.
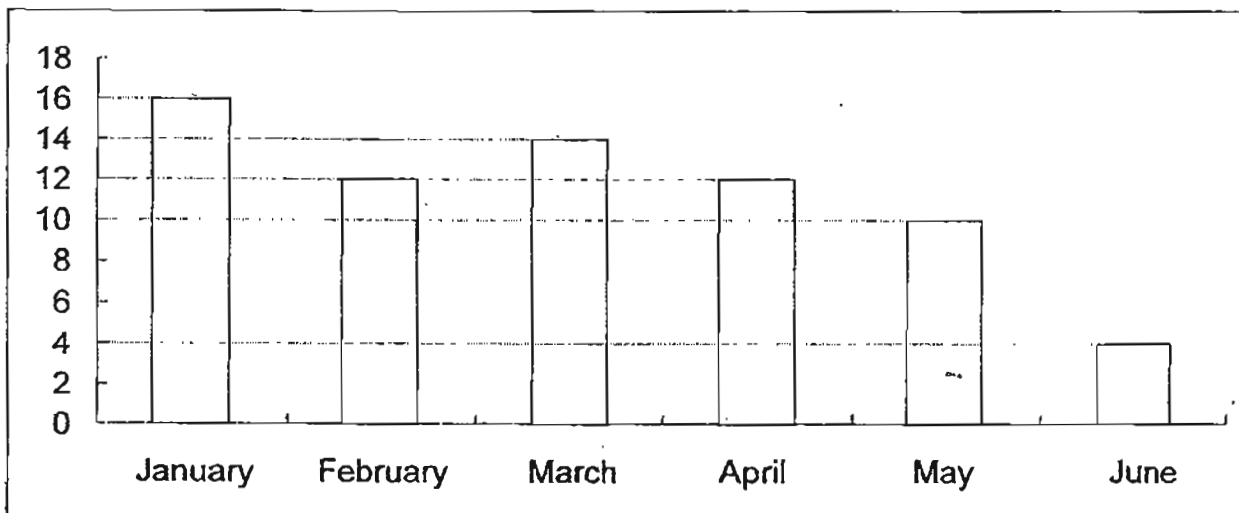
    Answer:_____

26. Thomas, Richard and Gerard worked on their Science project from 9.30 a.m. to 2.15 p.m.. How long did they work on their project?

Answer:_____h_____min

27. Draw a line parallel to AB passing through the point C.

A

C

B

28. The graph below shows the number of cars sold during the first 6 months. Study the graph and answer the question.

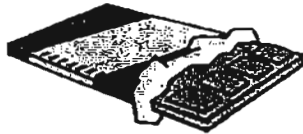Which two months showed that a total of 30 cars were sold?

Answer:_____ and_____

8

29. Lily cut a pizza into 8 equal pieces. She gave 2 pieces to her brother and one piece to her sister. She ate $\frac{1}{8}$ of it. What fraction of the pizza was left? Give your answer in the simplest form.
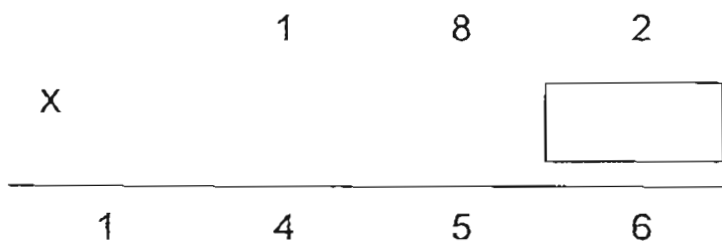
Answer:_____

30. The total mass of a box and 4 similar bars of milk chocolate is 980g. The mass of the empty box is 300g. What is the mass of 1 bar of chocolate?

Answer:_____g

31. What is the missing number in the box?

```
        1       8       2
  X                 ┌───────┐
                    │       │
                    └───────┘
  ──────────────────────────────
    1       4       5       6
```
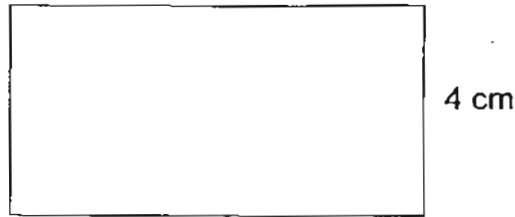
Answer:_____

32. David had twice as many stickers as Susan. Linda had twice the total number of stickers of David and Susan. If Susan had 24 stickers, how many stickers did Linda have?
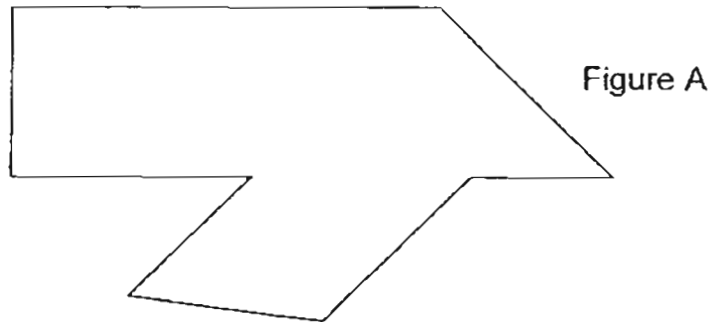
Answer:_____ stickers

9

33. The length of a rectangle is 3 times as long as its breadth. Find its area.

4 cm
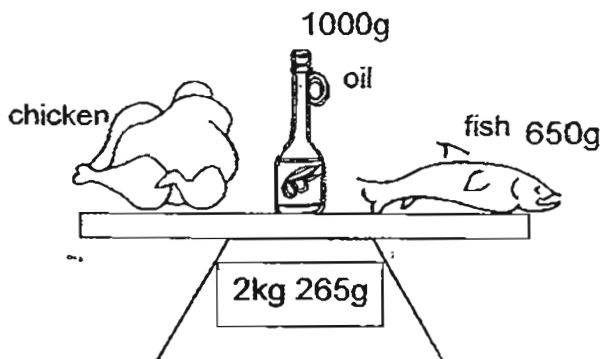
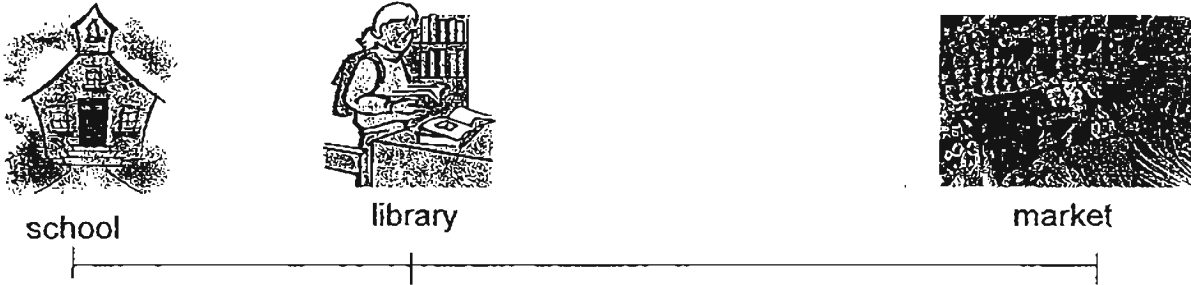Answer:_____cm^2

34. How many right angles are there in Figure A?

Figure A

Answer:_____

35. Vera went to the supermarket and bought the items below. What was the mass of the chicken?

1000g
oil

chicken

fish 650g

2kg 265g

Answer:_____g

36. The school is 3 km away from the market. The distance between the library and the market is 3 times as far as the distance between the school and the library. How far is the school from the library?

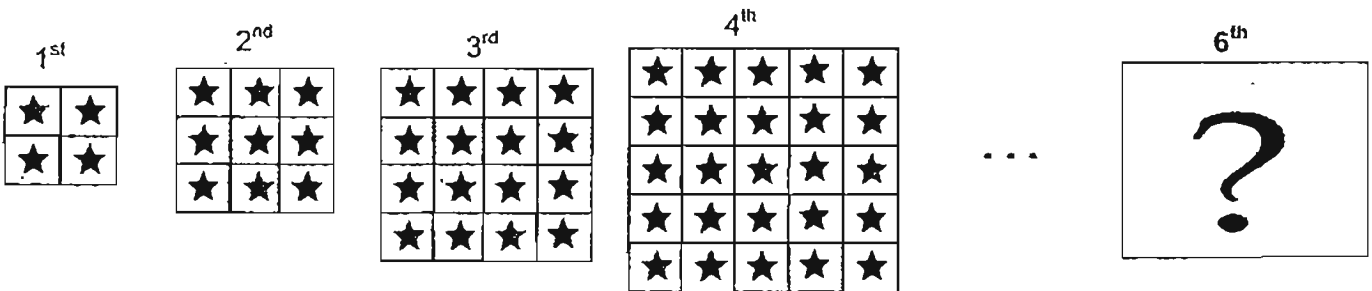school   library   market

Answer:_____ m

37. Four girls are queuing up to buy noodles in the canteen. Jane is behind Mary. Shuqi is in front of Mary. Renu is the first in line. Who is the last in the queue?

Answer:_____

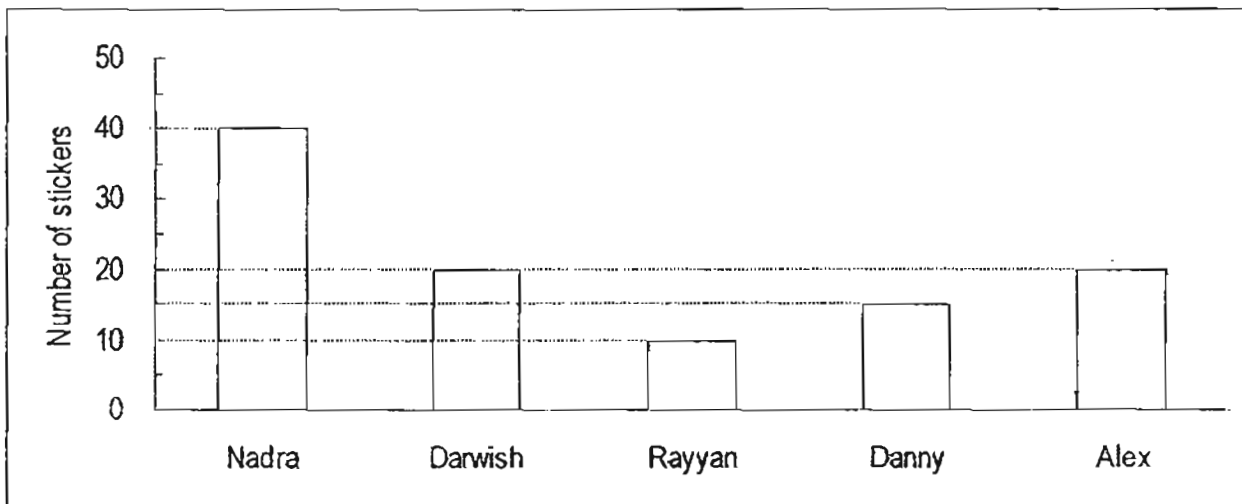38. Study the pattern below. How many stars are there in the 6th figure?

1st   2nd   3rd   4th   6th

Answer:_____ stars

II

Look at the picture graph and bar graph below. Answer questions 39 and 40.

The picture graph shows the number of stickers 5 children have.

Nadra	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
Darwish	☺ ☺ ☺ ☺
Rayyan	☺ ☺
Danny	☺ ☺ ☺
Alex	☺ ☺ ☺ ☺
Each ☺ stands for 5 stickers.	

39. How many stickers do they have altogether?

Answer:_____

40. If Nadra pays 30 cents for each sticker, how much money does she pay for all her stickers?

Answer: $_____

Section C: (5 × 4 = 20 marks)
Solve each of the following problems. Show your working and statements clearly.
Write your answers in the spaces provided.

41.   There are 396 red bottle caps and white bottle caps in a box.
        The number of the red bottle caps is three times as many as the number of

        the white bottle caps.

        a) How many white bottle caps are there?

        b) Find the difference between the number of red bottle caps and white bottle

           caps in the box?

                                                                    Working

                                        Ans : (a) _____ [2]

                                               (b) _____ [2]

42.   Some passengers boarded a bus at the bus interchange. At the first stop, 8 people

        boarded the bus and 12 people alighted from the bus. At the second stop,

        6 people alighted from the bus. If there were 27 passengers left in the bus,

        how many passengers were there at first?

                                                                    Working

                                        Ans : _____ [4]

43. Mrs Tan bought 9 packets of bookmarks. Each packet had 105 bookmarks. She distributed all the bookmarks equally to all the Primary 3 classes. How many pupils were there in Primary 3 if each pupil received 3 bookmarks?
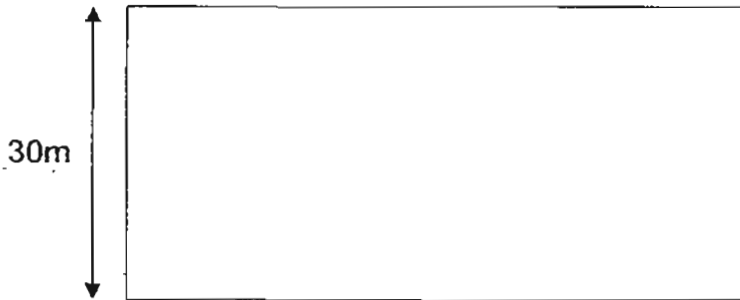
Working

Ans : _____ [4]

44. Kate baked a cake and cut it into 12 equal pieces. She ate 2 pieces and her brother ate some. If $\frac{7}{12}$ of the cake was left, what fraction of the cake did her brother eat?

(Give your answer in the simplest form)

Working

Ans : _____ [4]

45. In a garden, there is a rectangular plot of land as shown below.

The length of the rectangular land is twice its breadth. Every morning, Diah will run 6 rounds along the boundary of the rectangular land. If the breadth of the land is 30 m, what is the total distance that Diah runs every morning?

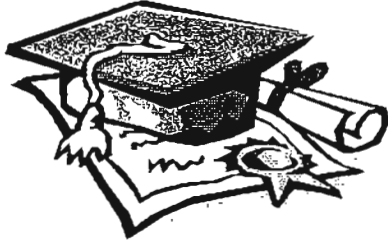(Give your answer in km and m)

Working
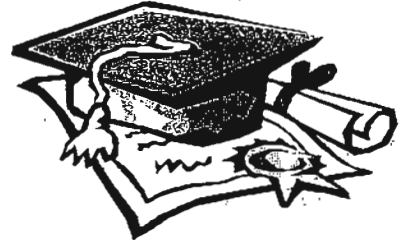
Ans : _____ [4]

End of paper

Check your answers again.

ANSWER SHEET

EXAM PAPER 2011

SCHOOL : PEI HWA
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

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

Q18	Q19	Q20
2	2	2

21)9520   22)4   23)2.55p.m.   24)$24   25)6503

26)4h 45 min   27)A   28)January and March

29) ½   30)170g   31)8   32)144 stickers

33)48cm2   34)2   35)615g   36)750

37)Jane   38)49 star   39)105   40)$12

41)a)396÷4 = 99
   b)99 x 2 = 198

42)27 + 6 = 33
   33 + 12 = 45
   45 − 8 = 37
There were 37 passengers at first.

43)105 x 9 = 945
   945÷3 = 315
 There are 315 pupil in primary 3.

44)12/12 − 7/12 − 2/12 = 3/12 = ¼
   Her brother ate ¼ of the cake.

45)60 + 60 + 30 + 30 = 180
   180 x 6 = 1080