RAFFLES GIRLS' PRIMARY SCHOOL

SEMESTRAL ASSESSMENT (1)
2005

Name : _____ Class: P4___ Index No: _____

10 May 2005   **MATHEMATICS**   Att: 1 h 45 mins

	Your Score Out of **100** marks		
		Class	Level
Highest score			
Average score			
Parent's Signature			

SECTION A (20 X 2 marks)

Questions 1 to 20 carry 2 marks each. Choose the correct answer and write its option number (1,2,3 or 4) in the brackets provided.

1. Forty-nine thousand, five hundred and one written in numerals is _____

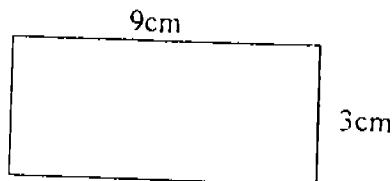   (1)   4951
    (2)   49051
    (3)   49501
    (4)   49510

    (   )

2. 62 089 rounded off to the nearest hundred is _____.

    (1)   62 090
    (2)   62 100
    (3)   62 189
    (4)   63 000

    (   )

3. The perimeter of the rectangle is _____ cm.

    9cm

    3cm

    (1)   12
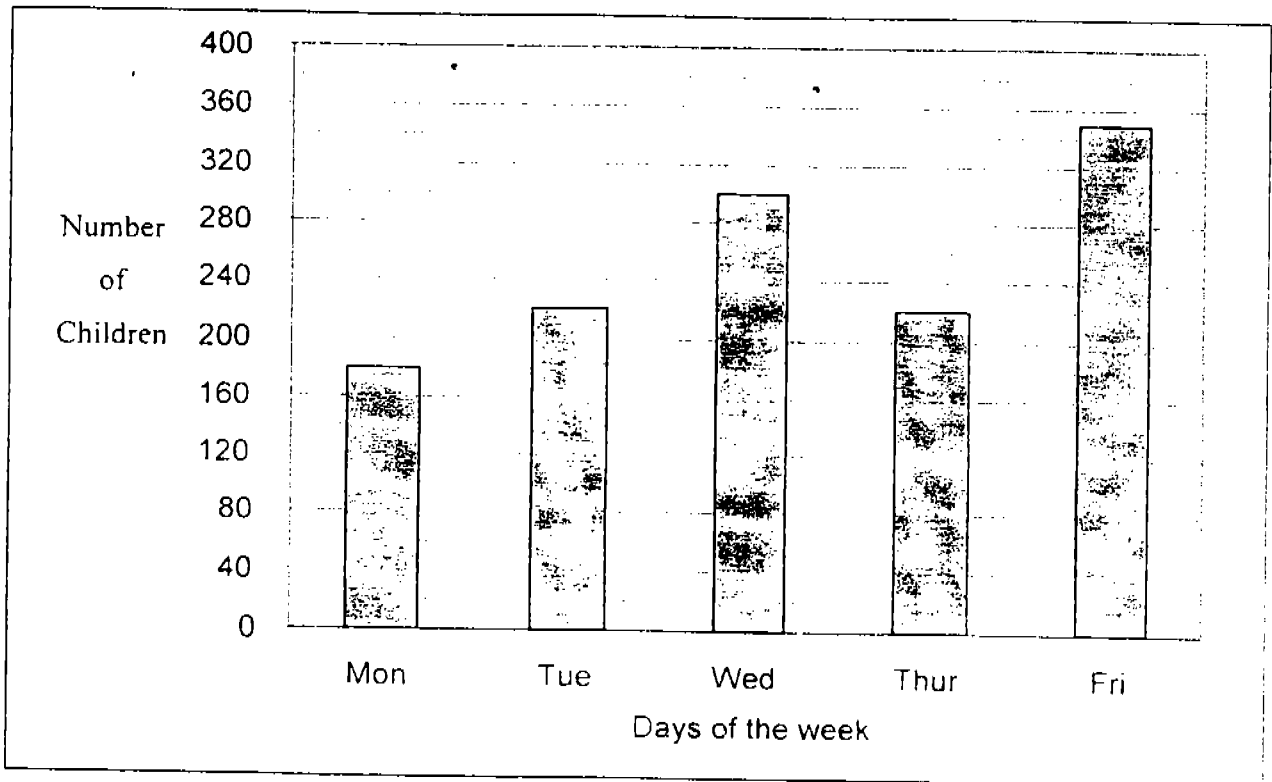   (2)   24
    (3)   27
    (4)   54

    (   )

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4. A square has an area of 49 cm ^{2} . What is the length of each side ?

  (1) 7 cm
  (2) 14 cm
  (3) 28 cm
  (4) 35 cm   (   )

5. The graph below shows the number of children who were at the movie "ICE AGE ROBOT" on five different nights last week.

How many children were at the movie on Friday?

  (1) 340
  (2) 350
  (3) 360
  (4) 380   (   )

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6. How many **more** children were there on Wednesday than on Tuesday?

    (1)   40
    (2)   80
    (3)   90
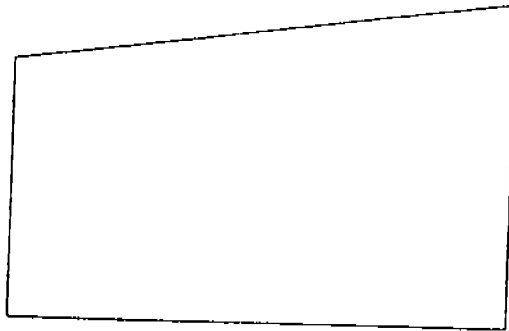   (4)   100

                                                        (   )

7. 8060 cm = _____

    (1)   8 m   6 cm
    (2)   8 m 60 cm
    (3)   80 m   6 cm
    (4)   80 m 60 cm

                                                        (   ) .

8. There are _____ right angles in the figure below.

    (1)   1
    (2)   2
    (3)   3
    (4)   4

                                                        (   )

9.   -4 sixths is written as _____.

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

   (2) $4\dfrac{1}{6}$

   (3)   24

   (4)   46   (   )

10.   Find the value of $\dfrac{1}{4} + \dfrac{5}{12}$. The answer is _____.

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

   (2) $\dfrac{3}{8}$

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

   (4) $\dfrac{5}{48}$ (   )

11.   Which of the following numbers are arranged in ascending order ?

   (1)   38 061,   38106,   39601,   38601
   (2)   39 601,   38601,   38106,   38061
   (3)   38 061,   38106,   38601,   39601
   (4)   38 601,   38106,   38061,   39601   (   )

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12. The missing number in the number pattern is _____.

   10,   20,   40,   70,   ___ ,   160

   (1)   100
   (2)   110
   (3)   120
   (4)   140   (   )

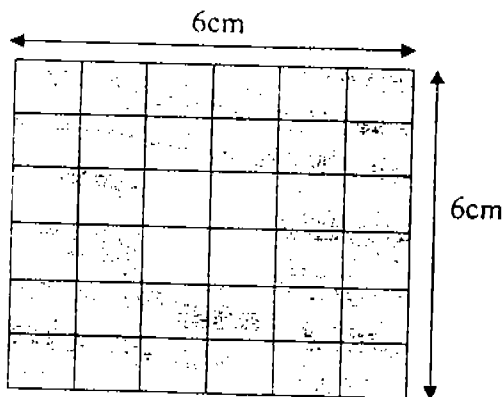13. The common factors of 28 and 32 are _____

   (1)   1, 2 and 4
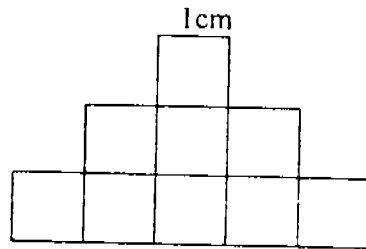   (2)   1, 2 and 7
   (3)   1, 2, 4 and 7
   (4)   1, 2, 4 and 8   (   )

14. Find the area of the shaded part .

   (1)   8 cm²
   (2)   16 cm²
   (3)   32 cm²
   (4)   36 cm²   (   )

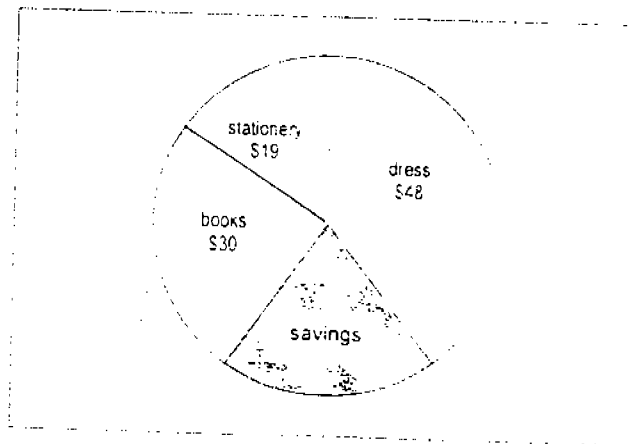15. Find the perimeter of the given figure which is made up of
1-cm squares.

1cm

    (1)   9 cm
    (2)   16 cm
    (3)   20 cm
    (4)   26cm

(   )

16. The pie graph shows the amount of money May spent during
the holidays. If she was given $200. how much money did she
save?

stationery
$19

dress
$48

books
$30

savings

    (1) $ 97
    (2) $ 103
    (3) $ 113
    (4) $ 287

(   )

17. 1 h 40 min + 40 min = _____ min.

    (1)   60
    (2)   80
    (3)   140
    (4)   180
                                                                                (   )

18. How many right angles would the minute hand on the clock have moved from 3.15 pm to 4.00pm ?

    (1)   1
    (2)   2
    (3)   3
    (4)   4

                                                                                 (   )

19. $\dfrac{2}{6} = \dfrac{\boxed{?}}{9}$.

What is the missing number in the box ?

    (1)   5
    (2)   2
    (3)   3
    (4)   6
                                                                               (   )

20. Change $7\dfrac{5}{8}$ to an improper fraction.
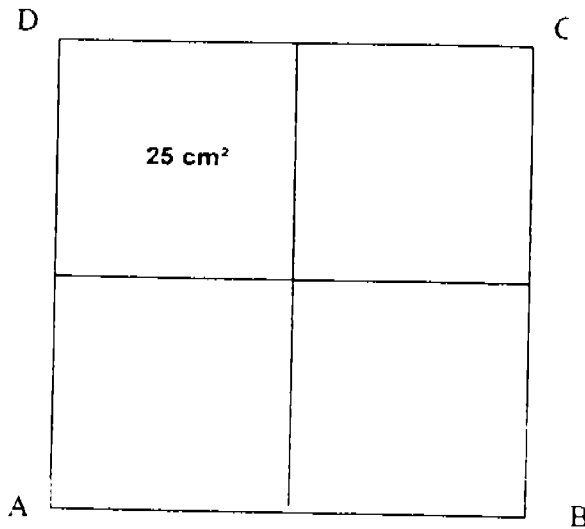
    (1) $\dfrac{35}{8}$

    (2) $\dfrac{56}{8}$

    (3) $\dfrac{61}{8}$

    (4) $\dfrac{75}{8}$
                                                                              (   )

SECTION B: (20 X 2 marks)

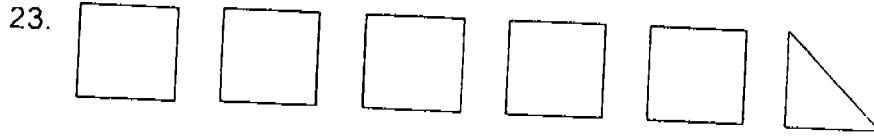Work out each sum carefully and write the correct answer in the box provided.

21.   80 000 + _____ + 600 + 80 + 6 = 86 686.

The missing number is _____.

22.   The figure ABCD is made of four similar squares each having an area
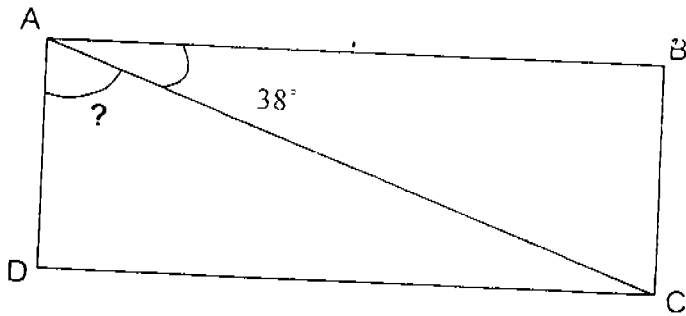of 25 cm² . Find the perimeter of the figure.

D   C

25 cm²

A   B

cm.

23.

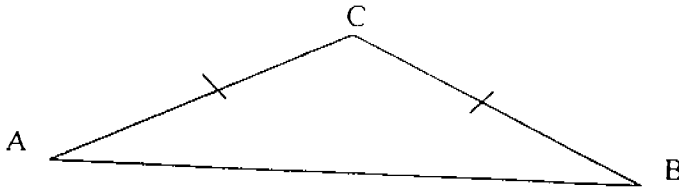If each square represents 8 books, how many books are there altogether?

[ ] books

24. ABCD is a rectangle. $\angle BAC = 38°$. Find $\angle DAC$.
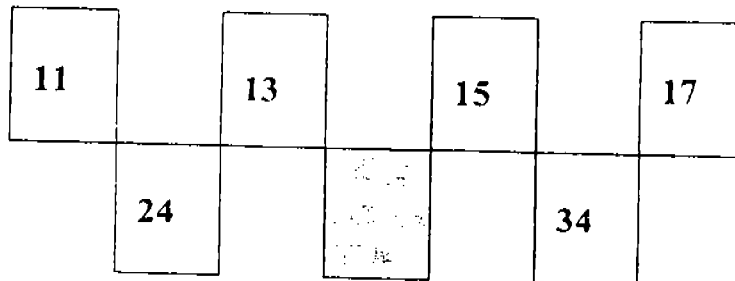

[ ] o

25.

In this triangle, AC is equal to BC.

Triangle ABC is a/an [ ] triangle.

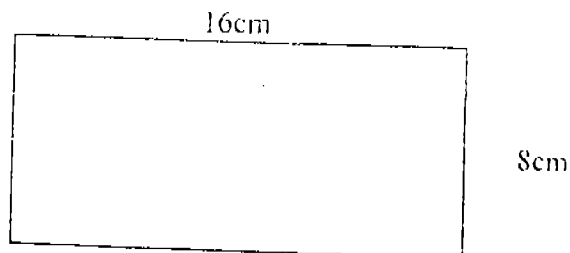26. Rearrange these fractions from the smallest in value to the largest.

$$\frac{2}{3}, \quad \frac{1}{2}, \quad \frac{5}{6}, \quad \frac{3}{4}$$

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┌──────────────────────────┐
│                          │
└──────────────────────────┘
```

27. Study the number pattern. What is the missing number in the shaded box ?

11		13		15		17
	24				34	

```
┌──────────────────────────┐
│                          │
└──────────────────────────┘
```

28. $ 28.15 − $ 19.30 = $
```
┌──────────────┐
│              │
└──────────────┘
```

29. How many squares of sides 2 cm can be drawn in the rectangle below ?

16cm

8cm

```
┌──────────────┐
│              │
└──────────────┘  squares
```

30.

green
blue
yellow
red

0 2 4 6 8 10 12 14 16 18 20 22 24 26
Number of tins
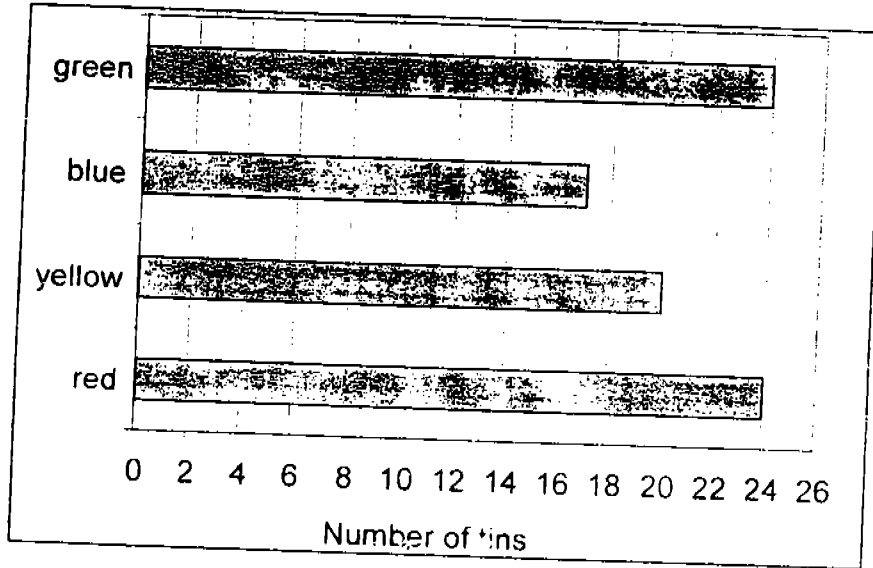
The graph shows the number of tins of paint a shop sold to Mr Puff.
Mr Puff actually needed 24 tins of each of the colours. What was the
total number of tins of paint that Mr Puff would need to buy later on ?

| | tins |

31. Draw a line parallel to AB using a ruler, a set-square and a pencil.
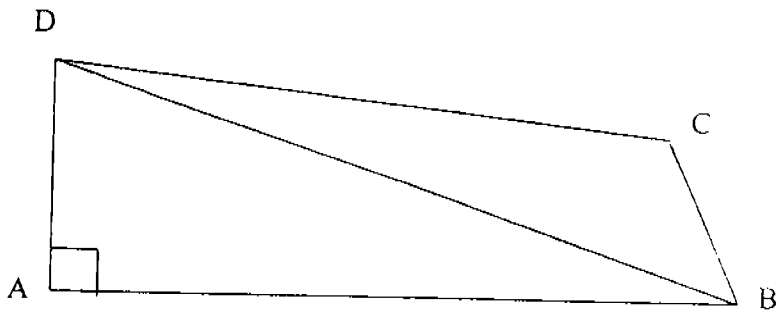Put in the arrow heads to show that the lines are parallel.
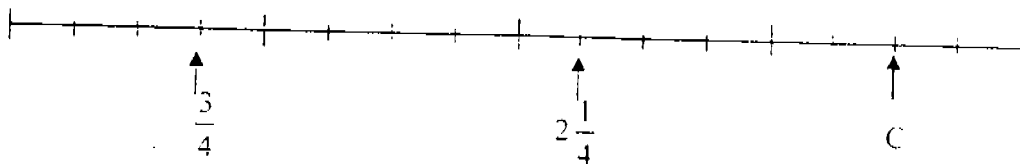
A

B
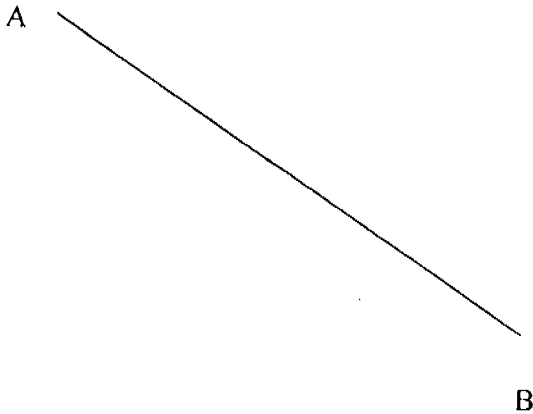
32. Using a protractor, measure ∠a .
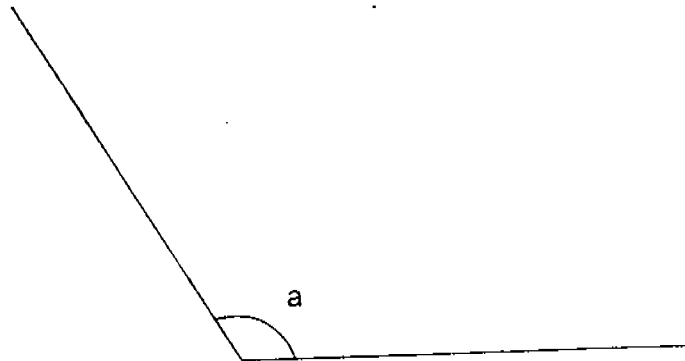
∠ a = [   ] °

33. Study the figure below carefully . Which line is perpendicular to AB ?

[   ]

34. What is C equal to in this fraction scale ?

$\frac{3}{4}$ $2\frac{1}{4}$ C

C= [   ]

35. $\dfrac{6}{10} + \dfrac{1}{2} = 1 +$ ⬚

What is the missing fraction ?

36. There are 120 caps in a box. Divide the total number of caps in 8 boxes equally into 4 groups. How many caps are there in each group ?

⬚ caps

37. Jane receives $2 pocket money everyday. She spends $1.25 and saves the rest each day. How much money does Jane save in a week?

$ ⬚

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38.

	Ali	Susan	Devi	Kok Meng
English	86	87	80	85
Math	90	96		92
Science	89	85	89	84
Total	265	268	267	266
Position	4th	1st	2nd	3rd

This table shows the marks scored by 4 children in a class for English, Mathematics and Science. What was Devi's score for Mathematics?

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┌──────────┐
│          │  marks
└──────────┘
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39. John added 8 ℓ 750 mℓ of water to the water in his fish tank to make it 12 litres full. How much water was there in the tank at first?

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┌────────────────────┐
│  ____ ℓ  ____ mℓ   │
└────────────────────┘
```

40. $\frac{3}{4} \times 24 = \boxed{} \div 2$

What is the missing number in the box ?

```
┌──────────────┐
│              │
└──────────────┘
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SECTION C : (5 x 4 marks)

For questions 41 to 46, show all your working clearly in the space provided. The number of marks awarded to each question is shown in brackets at the end of the question.

41. Parcel A is 500g heavier than Parcel B. If Parcel A weighs 2kg 300g, what is the total weight of Parcel A and Parcel B ? Write your answer in kg and g.

Answer : _____

42. Alice, Beatrice and Cheryl had $780 altogether. Alice had $40 more than Beatrice. Beatrice had twice as much money as Cheryl. How much money does Cheryl have?

Answer : _____

43. The area of a rectangle is 72 cm² . If the breadth of the rectangle is 8cm, find its perimeter.

Answer : _____

44. Susan spent half of her salary on food and $\frac{1}{4}$ of it on transport. If she gave $500 to her mother and saved the rest, how much money would she save if her salary was $7944?

Answer : _____

45. Last year, Sally was given 266 stamps. She kept 46 stamps for herself and the rest was shared equally among her 4 friends.

a) How many stamps did each friend receive ?

b) Sally later visited a stamp exhibition and bought herself 8 stamps, each costing $52. How much money did Sally spend on the stamps ?

Answer :

a) _____ (2 m)

b) _____ (2 m)

END OF PAPER

Raffles Girls Primary School

Primary 4 Maths SA1 Exam (2005)

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Answer Sheets
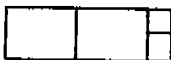
Q1	Q2	Q3	Q4	Q5
3	2	2	1	2
Q6	Q7	Q8	Q9	Q10
2	4	2	1	1
Q11	Q12	Q13	Q14	Q15
3	2	1	3	2
Q16	Q17	Q18	Q19	Q20
2	3	3	3	3

21. 6000
22. 40
23. 44

24. 52°

25. Isosceles

26. $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}$

27. 29
28. 8.85
29. 32
30. 11

31.
32. 120°
33. DA

34. $3\frac{1}{2}$

35. $\frac{1}{10}$

36. 240
37. 5.25
38. 98
39. 3ℓ 250mℓ
40. 36

41. Parcel B ——➤ 2300 − 500 = 1800
    Total ——➤ 1800 + 2300 = 4100
    Ans : <u>4kg 400g</u>

42. 5 units $\longrightarrow$ 780 − 40 = $740.00

Cheryl $\longrightarrow$ $\frac{740}{5}$ = $148

A   — $40.00

B

C

Ans : **$148.00**

43. L $\longrightarrow$ 72 ÷ 8 = 9

Perimeter = (9 + 8) x 2
          = 17 x 2
          = 34cm

Ans : **34cm**

44. Food $\longrightarrow$ $7944 ÷ 2
                          = $3972.00

Transport $\longrightarrow$ $7944 ÷ 4
                          = $1986.00

Savings $\longrightarrow$ $7944 − $(3972 + 1986 + 500)
                        = $7944 − $6458
                          $1486.00

Ans : **$1486.00**

45. No. of shared out $\longrightarrow$ 266 − 46
                                        = 220

a) 1 friend $\longrightarrow$ 220 ÷ 4
                              = 55

b) 52 x 8 = $416.00