Maha Bodhi School
2007 Semestral Assessment 1
Mathematics

Name : _____ (   )   Date : 9 May 2007

Class : Pr 4 _____   Duration : 1 h 45 min

BOOKLET A

Section A (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 oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1.   Sixty thousand and fifty in numerals is _____.

    (1)   6050
    (2)   60 005
    (3)   60 050
    (4)   60 500

2.   Which one of the following is the best estimate for 591 + 305 ?

    (1)   800
    (2)   ~~800~~ 850
    (3)   900
    (4)   910

3. $5708 \times 6 =$ _____.

    (1)   30 248
    (2)   34 208
   (3)   34 248
    (4)   34 308

4. 40 pupils in Primary 4 Unity shared a packet of sweets equally. 10 of them got a total of 50 sweets. How many sweets were left for the rest of the pupils?

    (1)   30
    (2)   50
    (3)   150
    (4)   200

5. What is the sum of all the factors of 8?

    (1)   6
    (2)   9
    (3)   14
    (4)   15

6. Linda changes her 2-dollar note for coins. If she gets two 10¢ coins and all the rest are 20¢ coins, how many 20¢ coins does Linda have?

    (1)   9
    (2)   10
    (3)   18
    (4)   20

7. A dictionary costs $2 more than a storybook. Andy paid $74 for 2 dictionaries and 5 similar storybooks. Find the cost of a storybook.

    (1) $10
    (2) $14
    (3) $36
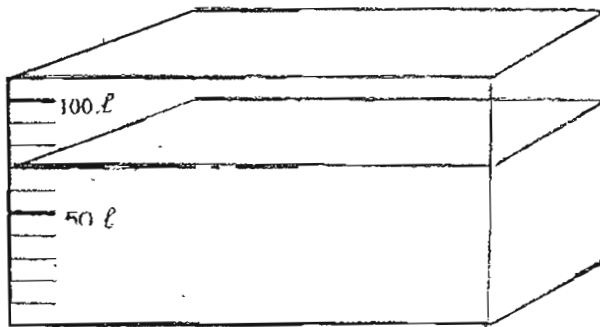   (4) $38

8. Find the area of 5 such squares.

    3 cm

    (1) 9 cm^2
    (2) 12 cm^2
    (3) 45 cm^2
    (4) 60 cm^2
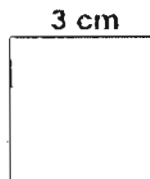
9. Find the perimeter of the rectangle below.

20 cm

28 cm
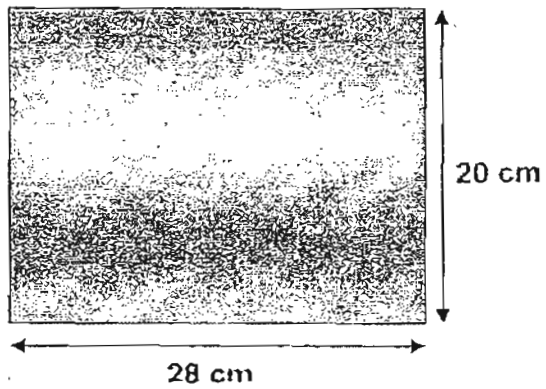
(1)   96 cm
(2)   96 cm²
(3).   560 cm
(4)   560 cm²

10. What is the new volume of the water in the tank if 15 ℓ of water has been scooped out of the tank?

100.ℓ

50 ℓ

(1)   55 ℓ
(2)   70 ℓ
(3)   75 ℓ
(4)   85 ℓ

11. Kate made a blueberry pie. She ate $\frac{2}{7}$ of it while her sister ate $\frac{3}{14}$ of it. What fraction of the pie was left?

(1) $\frac{9}{14}$

(2) $\frac{2}{7}$

(3) $\frac{1}{7}$

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

12. Which fraction is the greatest?

(1) $\frac{1}{4}$

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

(3) $\frac{7}{10}$

(4) $\frac{11}{20}$

13. Reduce $\frac{32}{72}$ to its simplest form.

(1) $\frac{16}{36}$

(2) $\frac{8}{18}$

(3) $\frac{3}{7}$

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

14. What must be added to $\frac{5}{12}$ to give $\frac{3}{4}$?

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

(2) $\frac{2}{8}$

(3) $\frac{14}{12}$

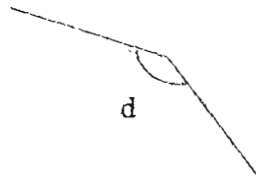(4) $\frac{8}{16}$

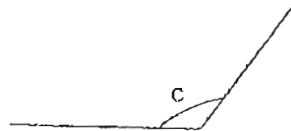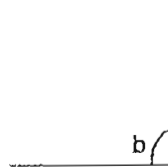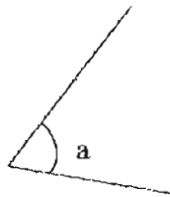15. How many fifths are there in $1\frac{4}{5}$?

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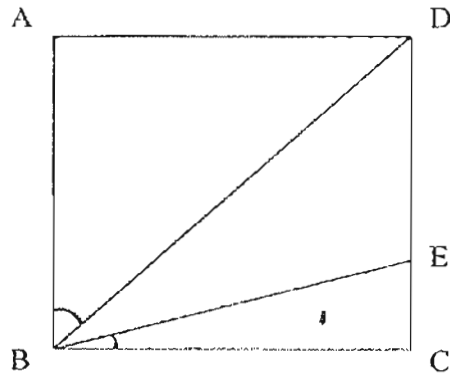(4) 4

16. Which one of the following angles is a right angle?
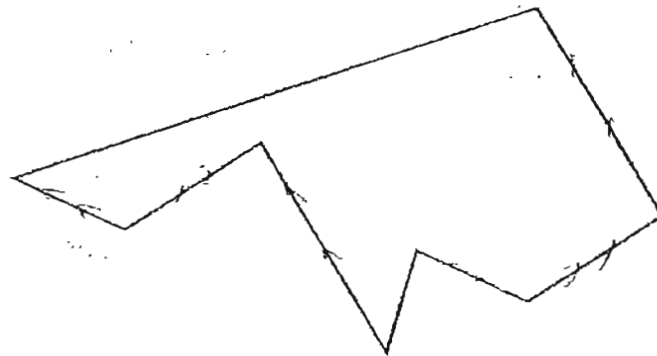

(1) ∠ a
(2) ∠ b
(3) ∠ c
(4) ∠ d

ABCD

17. Figure ~~ABCE~~ is a square. $\angle$ ABD is three times the size of $\angle$ EBC.
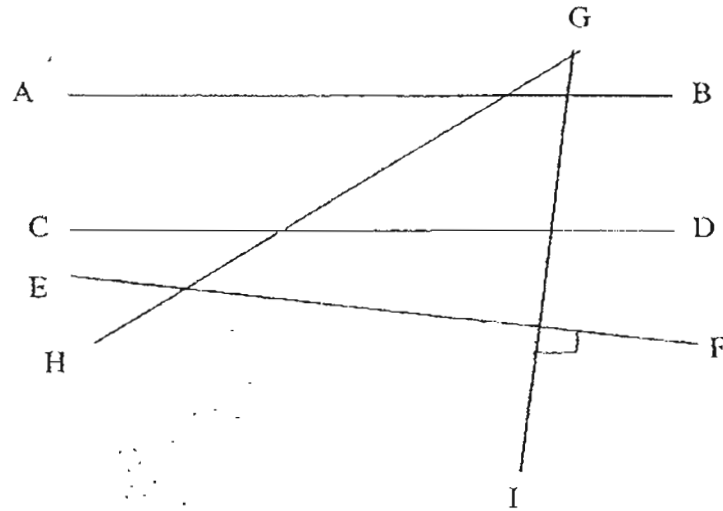Find the $\angle$ DBE.

(1)   60°

(2)   15°

(3)   30°

(4)   45°

18. How many pairs of parallel lines are there in this figure?
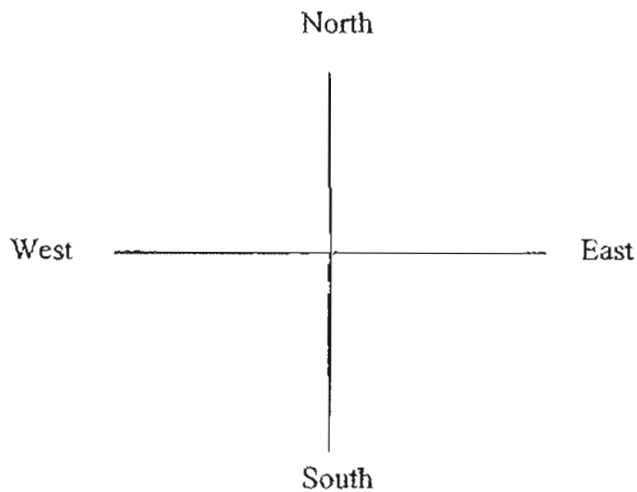

(1)   1
(2)   2
(3)   3
(4)   4

6

19. Which of the following is correct?

(1) AB is perpendicular to CD
(2) CD is perpendicular to GI
(3) EF is perpendicular to GI
(4) There are no perpendicular lines

20. Sheryl was facing the west direction. She turned 135° in the anticlockwise direction. What direction is she facing now?

(1) North
(2) North-East
(3) South
(4) South-East

Maha Bodhi School
2007 Semestral Assessment 1
Mathematics

Name : _____ (   )

Class : Pr 4 _____

Duration : 1 h 45 min

Date   :   9 May 2007

Parent's Signature : _____

Section A (40 marks)	
Section B (40 marks)	
Section C (20 marks)	
Total (100 marks)	

BOOKLET B

Section B (40 marks)
Questions 21 to 40 carry 2 marks each.
Write your answers in the boxes provided. Give your answers in the units stated.
Show your working in the space provided. Marks will be awarded for correct method shown.

21.   The smallest possible 5-digit even number that can be formed with the digits
6, 5, 0, 8, 1 is _____.

22.   There are 9 boys. Each of them has 136 cookies. How many cookies do they have altogether?

cookies

23.   Four boys are trying to arrange themselves in order from the oldest to the youngest.
        Thomas is older than Peter.
        Peter is older than John.
        Jack is older than Thomas.
Arrange the boys in order from the oldest to the youngest.

| , | , | , |

24. A number is between 20 and 30. It is also a multiple of 3. When it is divided by 6, there is no remainder. What is the number?

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┌─────────────────┐
│                 │
└─────────────────┘
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25. What is the answer when you divide 45 795 by 5?

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┌─────────────────┐
│                 │
└─────────────────┘
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26. Linda is given $1.80 daily for school. She spends 50¢ on a plate of noodles, 30¢ on a cup of soya bean drink and saves the rest. If she spends the same amount daily, how many days does it take for her to save $20?

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

27. What is the perimeter of the figure below?


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┌─────────────────┐
│              cm │
└─────────────────┘
```
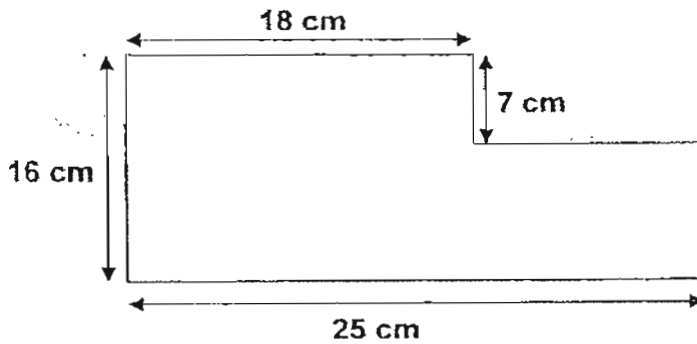
28. 2 kg 125 g + 5 kg 880 g = _____ kg _____ g

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┌─────────────────┐
│  __ kg ____ g   │
└─────────────────┘
```

29. In the figure, X and Y are identical squares overlapping each other. The length of each side of the shaded region is half the length of Square X.
What is the area of the shaded part?

8 m

m^2
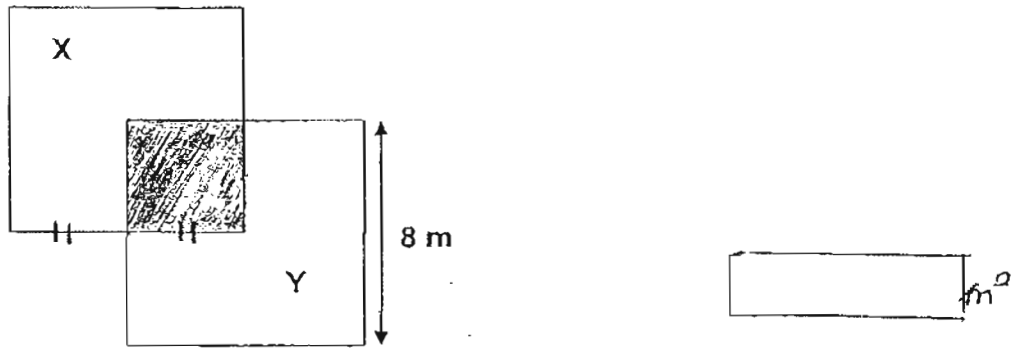
The bar graph below shows the number of pupils who were absent from class on Monday. Study the graph and answer Question 30.

Absentees from 4 classes
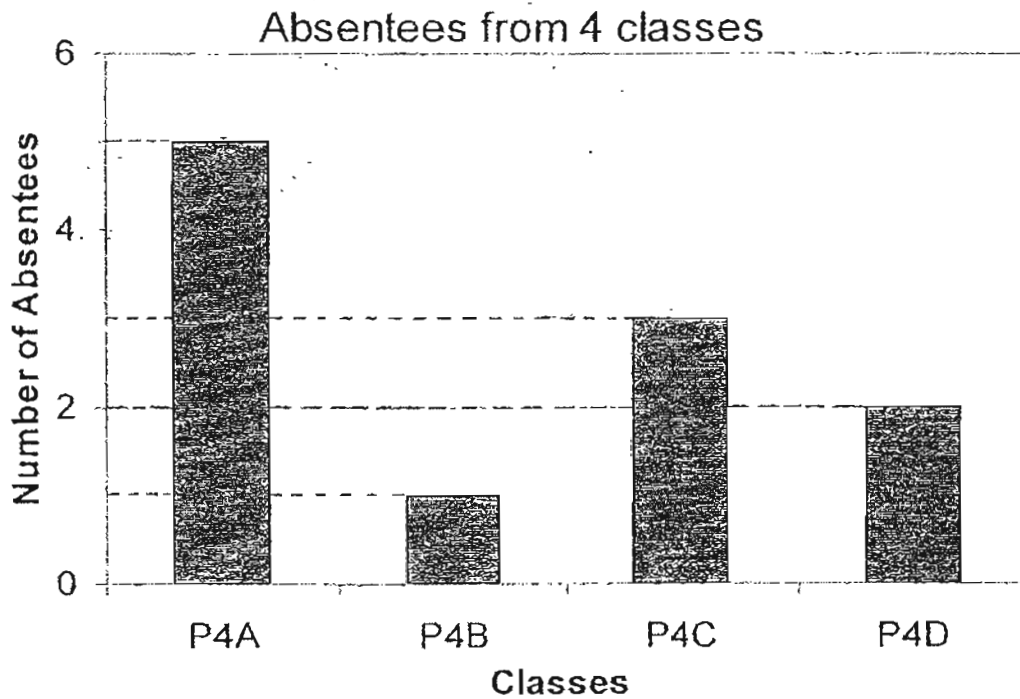
30. If the total number of pupils in the 4 classes is 160, how many pupils were present on Monday?

pupils

The line graph below shows the length of a spring when various masses are hung on it. Study the graph and answer Questions 31 and 32.
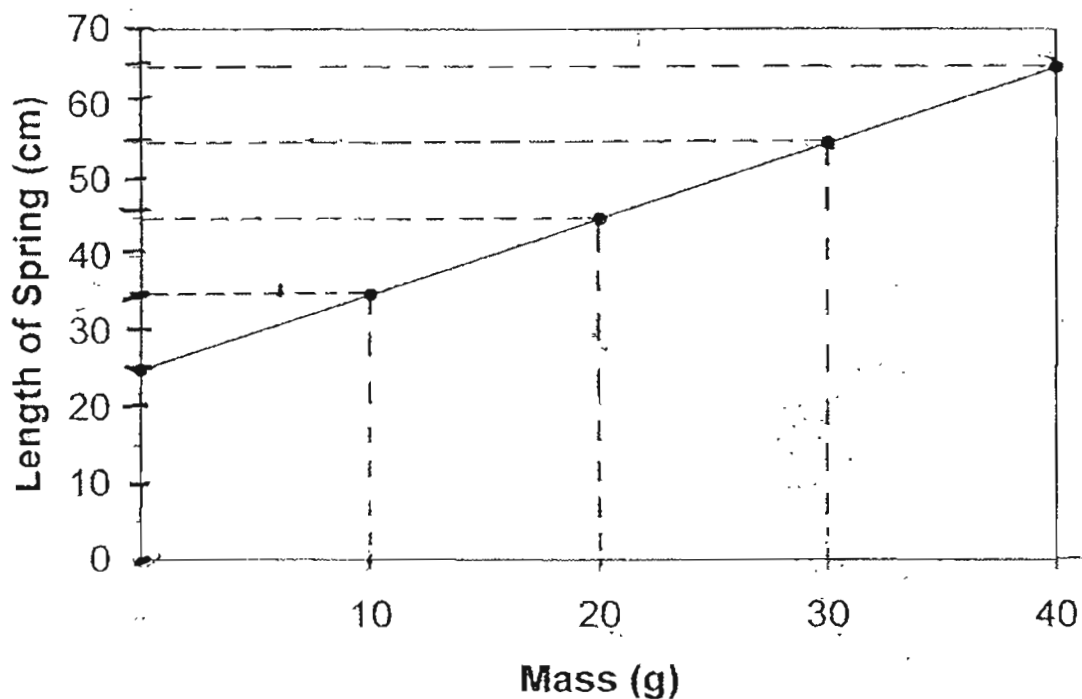
31.   What is the length of the spring when it is not stretched?

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

32.   What would the length of the spring be when a mass of 50g ~~of mass~~ is hung on it?

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

33. Mr and Mrs Chan and their two children want to go on a holiday to Taiwan. The table below shows the prices offered by 2 travel agencies, ABC Travel and Dream Holiday.

5D4N Taiwan Discovery

|	Adult Fare ($)	Child fare ($)
ABC Travel	880	560
Dream Holiday	940	480

Which travel agency offers a cheaper price?

34. $3 - \dfrac{1}{2} - 1\dfrac{2}{8} = 1\dfrac{\square}{4}$

35. Form the smallest mixed number with the digits 9, 3 and 5.

36. Jerald has 36 marbles. He gave $\dfrac{1}{3}$ of his marbles to his friend. How many marbles did he have left?

marbles

37. Mr Ben would like to place vertical sticks 10 m apart on the perimeter of his farm. How many vertical sticks does he need?
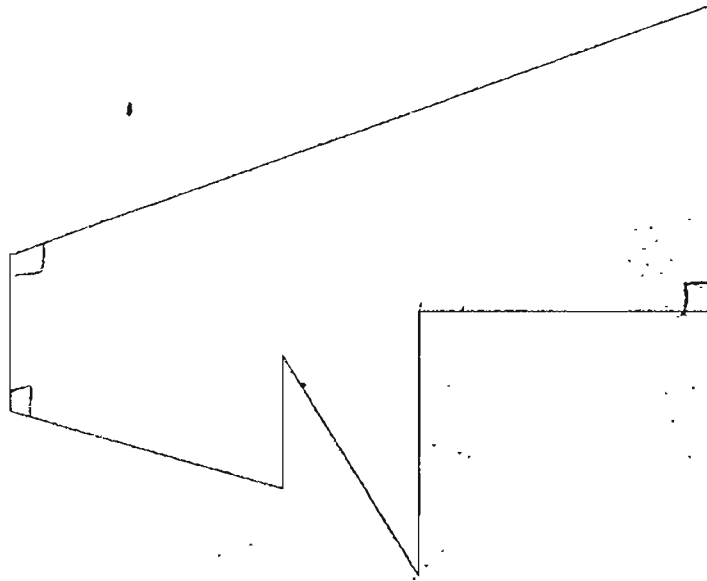
50 m

30 m
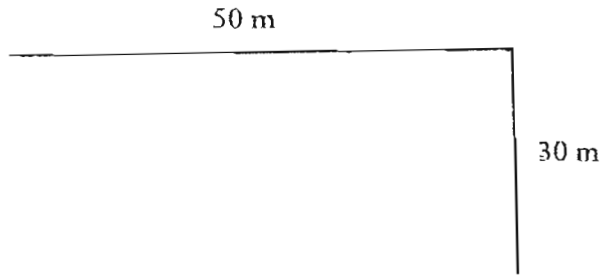
	sticks

38. A line AB has been drawn for you. Using a protractor, draw an angle such that ∠ ABC = 65°. Label the angle drawn.

A   B
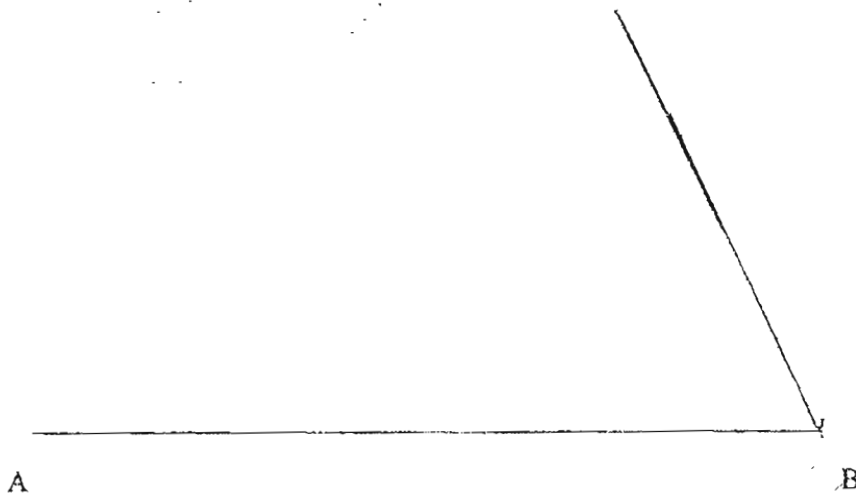
39.   Find the sum of 3 right angles.

40.

inside
How many angles   the figure shown above are **greater** than 90°?
          ∧

Section C (20 marks)

Questions 41 to 45 carry 4 marks each.
Show your working clearly in the space below each question.
Write a statement for each step.

41. Gary had 324 stickers. He had 3 times as many stamps as stickers. He gave his brother a total of 150 stamps. How many stickers and stamps were left?

42. Mayor is 35 years old. He is 7 times as old as his daughter. His daughter is 4 years younger than his son. How old was mayor when his son was born?

43. A carton of mandarin oranges costs $24.
    a) How much does Mr Lim have to pay for 12 cartons of mandarin oranges?
    b) Mr Lim sold each carton for $35. How much did he make from selling the 12 cartons of mandarin oranges?

44. A box with 5 similar laptops nas a mass of 10 kg 650 g. Find the mass of a laptop if the box has a mass of 550 g. Express your answer in kilograms and grams.

45. Kate had some beads. $\frac{3}{8}$ of the beads were red and the rest were blue. She had 45 blue beads.
(a) How many red beads did she have?
(b) How many beads did she have altogether?

Remember to check your work!
Every mark counts.

MAHA BODHI PRIMARY SCHOOL – PRIMARY 4MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
2. 3
3. 3
4. 3
5. 4
6. 1
7. 1
8. 3
9. 4
10. 1
11. 4
12. 3
13. 4
14. 1
15. 4
16. 2
17. 3
18. 3
19. 3
20. 4
21. 10568
22. 1224
23. Jack, Thomas, Peter, John
24. 24
25. 9159
26. 20
27. 82
28. 8kg 5g
29. 16m2
30. 149 pupils

31) 25cm
32) 76cm
33) Dream holiday
34) 1
35) $3\frac{5}{9}$
36) 24marbles
37) 16 sticks
38)

39) 270°
40) 4

41) 324x3=972
    He had 972 stamps
    972-150=822
    He had left 822 stamps
    822+324=1146
    1146 stickers and stamps were left.

42) 35÷7=5
    His daughter was 5 years old
    5+4=9
    His son was 9 years old
    35-9=26
    Mayor was 26 years old when his son was born.

43) a) 12x34=228
    Mr Lim has to pay $228 for 12 cartons of
    mandarin oranges.
    b) 35x12=420
    He made $420 from selling the 12 cartons of
    mandarin oranges.
    $420-$288=$132
    He earned $132.

44) 10650g-550=10100g
    The mass of 5 laptops is 10110g
    10110÷5=2020g
    The mass of 1 laptop is 2020g

45) a) 45÷5=9
       9x3=27
       She had 27 red beads
    b) 9x8=72
       She had 72 beads altogether.