Primary Five
Mathematics
Semestral Assessment One

Section A
For each questions, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Write your answer in the box provided.

1. Round off $56 847 to the nearest thousand dollars.

    (1) $60 000
    (2) $57 000
    (3) $56 000
    (4) $50 000

2. In 1 678 520, the digit _____ is in the thousands place.
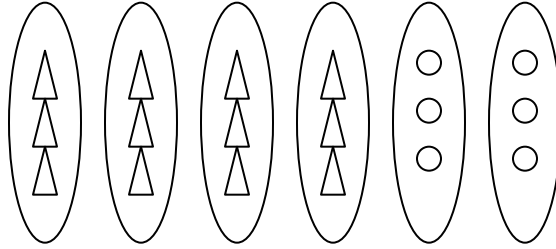
    (1)   5
    (2)   6
    (3)   7
    (4)   8

3. Find the value of 709 x 30.

    (1)   2127
    (2)   2370
    (3)   21 270
    (4)   23 270

4. $\frac{4}{5} \times \frac{10}{11}$ = _____.

    (1) $\frac{2}{11}$
    (2) $\frac{6}{11}$
    (3) $\frac{8}{11}$
    (4) $\frac{10}{11}$

5.

In the diagram above, the ratio of the number of triangles to the number of circles is _____.

(1)　12 : 6
(2)　　4 : 2
(3)　　1 : 2
(4)　　2 : 1

6.　375 x 49　=　_____.

(1)　375 x 40 x 9
(2)　375 x 40 x +9
(3)　375 x 4 x 375 x 9
(4)　375 x 40 + 375 x 9

7.　The lowest common multiple of 2, 3, [____] and 9 is 18. The missing number in the box is _____.

(1)　8
(2)　7
(3)　6
(4)　4

8. Mr Wong bought a car for $82 525. He paid a downpayment of $1525 and the remaining amount in 36 monthly instalments. How much did he pay per month?

   (1) $225
   (2) $255
   (3) $2250
   (4) $2550

9. Huishan had 18 green beads, 30 yellow beads and 12 red beads. The ratio of the number of red beads to the total number of beads she had is _____.
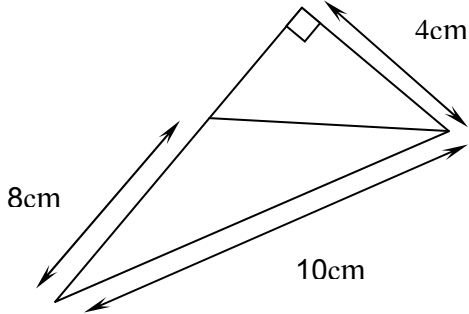
   (1) 1 : 5
   (2) 1 : 4
   (3) 4 : 1
   (4) 5 : 1

10. In a class of 44 pupils, 28 of them wear spectacles. What fraction of the pupils do not wear spectacles?

    (1) $^4/_7$
    (2) $^7/_{11}$
    (3) $^4/_{11}$
    (4) $^{28}/_{11}$

11. Mr Muthu packed 15 kg of coffee equally into 4 tins. How much coffee was there in each tin?

    (1) 3 kg
    (2) $3^1/_4$ kg
    (3) $3^1/_2$ kg
    (4) $3^3/_4$ kg

12. The area of the shaded part in the triangle below is _____ cm^2.

    4cm

8cm

    10cm

    (1)   40
    (2)   32
    (3)   20
    (4)   16
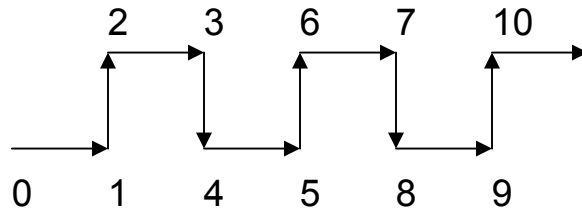
13. Divide 3675 by 35 and round off the answer to the nearest 10.

    (1)   100
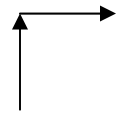   (2)   110
    (3)   150
    (4)   160

14. Mrs Wong bought a 4-kg bag of rice. She cooked 200g of the rice each day. How long did the bag of rice last?

    (1)   5 days
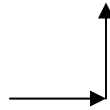   (2)   2 days
    (3)   20 days
    (4)   50 days

15. If this path is to continue in the same pattern,

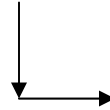2　　3　　6　　7　　10

0　　1　　4　　5　　8　　9

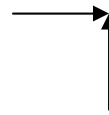Then which sequence of arrows goes from point 424 to point 426.

(1)　　　(2)　　　(3)　　　(4)

Section B
Write your answer in the spaces provided. Give your answers in the units stated.
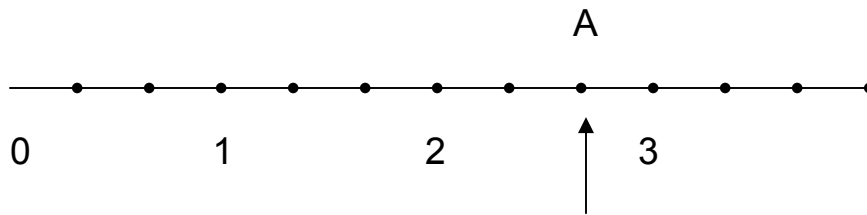
16. Write 6 400 440 in words.

    Ans _____

    _____

17. Which is greater, 50 012 or 50 102?

18. Find the value of :

    80 + 120 ÷ 30 x (15 – 13)
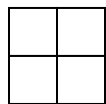

19. A certain number when divided by 18 gives a quotient of 418 and a remainder of 8. What is the number?

20. Look at how the line is marked. What is the value at point 'A'?
(Give your answer as a fraction in its simplest form.)
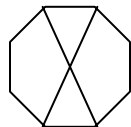
A

0   1   2   3

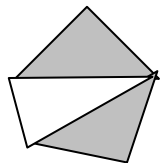21. Express 8 months as a fraction of 2 years.
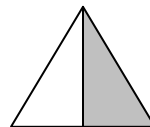
22.

In which one of the following figures is its shaded part
equivalent to the shaded part in the figure above?
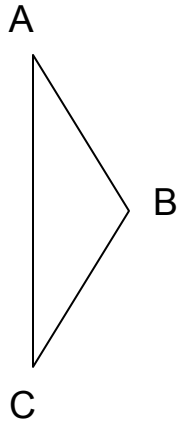
(A)   (B)   (C)

23. In the triangle below, BC is the base of the triangle. Draw the height of the triangle and label it "h".
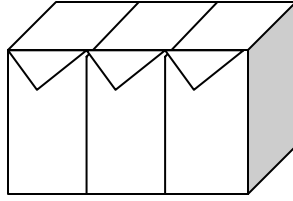
A

B

C

24. There are 3 boys for every 2 girls in a 75-member school athletics team. What is the ratio of the number of girls to the number of boys?
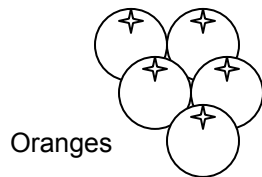
25. 1250 x 30 is 1000 more than _____

26.

Logan Drinks

Special offer: 3 packets for $1.20

How many packets of the drinks can Ahmad buy with $4.00?

27. The difference between twice a number and three times of the same number is 8. What is half of the number?

28.

Oranges

$1.95 for 5
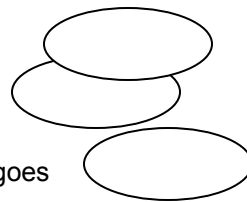
Mangoes

$6.50 for 3

Mdm Tan bought 10 oranges and 9 mangoes. How much did she pay altogether?

29. Sammi bought 2000 balloons for $40. 80 burst and the rest were sold at 30 for $1. How much did she make?

30. Fatimah had 2 litres of oil. She used $^5/_6$ of it to fry fish. How much oil did she have left?

31.

The above grid is made up of 1-cm squares. What is the area of the shaded part?

32. An ant fell into a pit 3m deep. To get out, he would climb $\frac{1}{2}$m everyday but every night he slid $\frac{1}{4}$m down. At this rate, how long did it take him to get out of the pit?
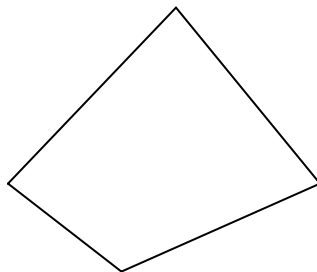
33. If Sindy spends $4 a week, she will have enough money to last 42 weeks. How long will her money last id she spends $6 a week?

34. The area of the square below is _____ cm^2.

$\frac{3}{8}$ cm

35.   In a cycling race, when Timmy covered $^2/_3$ of the distance and Zhiwei covered $^1/_2$ of it, the two boys were $3^1/_2$km apart. What was the distance of the race?
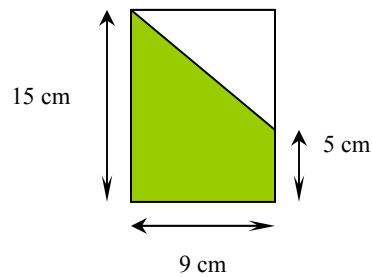
Section C
For questions 36 to 50, show your working clearly in the space below each question and write your answers in the spaces provided.

36. Mr Lee packed $\frac{5}{6}$ kg of tea into 10 small packets. What is the weight of one packet in kilograms? [2]

37. Find the area of the unshaded part. [2]

15 cm

9 cm

5 cm

38. Mr Ong sold 2814 tarts at a funfair. The tarts were sold in jars of 14 tarts each. How many jars did he use? [2]

39.

Row 1
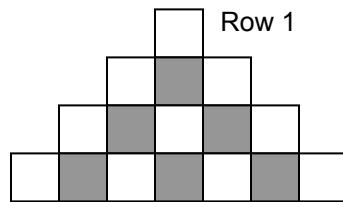
The figure above is made up of alternating black and white squares in each row. Rows 1 to 4 are shown. All rows begin and end with a white square. What is the number of black squares in the 37th row? [3]

40. Miss Patsy bought 5 muffins and 8 doughnuts for $23.00. A muffin cost $0.70 more than a doughnut. Find the cost of 1 doughnut. [3]

41.

A   E   B

D   C
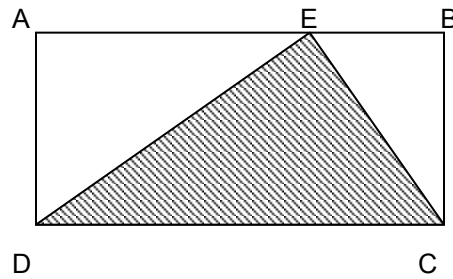
The breadth of rectangle ABCD is $\frac{1}{4}$ of its length. If the perimeter of the rectangle is 30cm, find the area of triangle DEC. [3]

42. Anthony and David shared some marbles in the ratio 5 : 8. When David gave 15 marbles to Anthony, each would have the same number of marbles. How many marbles did Anthony have at first? [3]

43. Mr Tony Teo buys computer disks at 4 for $5 and sells them at 3 for $5. How many computer disks must he sell in order to make $100? [4]

44. The ratio of Mrs Tan's age to her daughter's age is 8 : 3. Three years ago, her daughter was 15 years old.
    (a) How old is the daughter now? [1]
    (b) Express Mrs Tan's age as a ratio of her daughter's age in 10 years' time. [3]

45. Stanley and Damian share some Magic cards. If Stanley gives half of his share to Damian, Damian will have 4 times as many cards as Stanley.
    (a)   What is the original ratio of the number of Stanley's Magic cards to the number of Damian's Magic cards? [1]
    (b)   If Stanley has given 12 cards to Damian, how many cards have they altogether? [3]

18

46. There were 3 times as many popsicles as cones in an ice-cream shop. After selling 54 popsicles and 10 cones, there were 3 times as many cones as Popsicles left in the shop. How many cones were there in the shop at first? [5]

47. Mr Tang earned $0.50 for every textbook sold in his bookshop. He earned an extra $5 for every 10 books sold. How many books did he have to sell in order to make $33? [5]

48. Mr Muthu gave $^1/_4$ of his durian to Nathan. He then sold $^5/_6$ of the remainder to Mr Lim.
    (a) If the cost of the remaining durian was $120, how much did Mr Lim pay for his durian? [2]
    (b) If Mr Muthu had 20 durians left, how many did he have at first? [3]

49. Eileen had \$200. She spent $\frac{1}{10}$ of it on a blouse and $\frac{1}{6}$ of the remainder on food.
    (a) How much did she spend on food? [3]
    (b) If she had also wanted to buy a radio which cost \$225, how much more money would she have needed? [2]

50. Last year the ratio of number of male members to the number of female members in the Chess Club was 10 : 9. This year, $\frac{1}{5}$ of the male members and $\frac{1}{3}$ of the female members remained. What was the total number of members the club had last year if there are 126 members fewer this year? [5]