Questions 1 to 10 carry 1 mark each. Questions 11 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. **(30 marks)**

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1. 9 086 123 = 9 000 000 + 80 000 + ☐ + 120 + 3

    Find the missing number in the box.

    (1) 6

    (2) 600

    (3) 6 000

    (4) 60 000

    (   )

2. Express $\dfrac{34}{7}$ as a mixed number.

    (1) $3\dfrac{4}{7}$

    (2) $4\dfrac{6}{7}$

    (3) $5\dfrac{1}{7}$

    (4) $7\dfrac{4}{6}$

    (   )

1

3. Express 0.26 as a fraction in its simplest form.

(1) $2\dfrac{3}{5}$

(2) $\dfrac{13}{50}$

(3) $\dfrac{13}{500}$

(4) 26

( )

4. Round off 73.491 to the nearest tenth.

(1) 70

(2) 73.4

(3) 73.5

(4) 73.49

( )

5. 705 cm = ☐ m.
Find the missing number in the box.
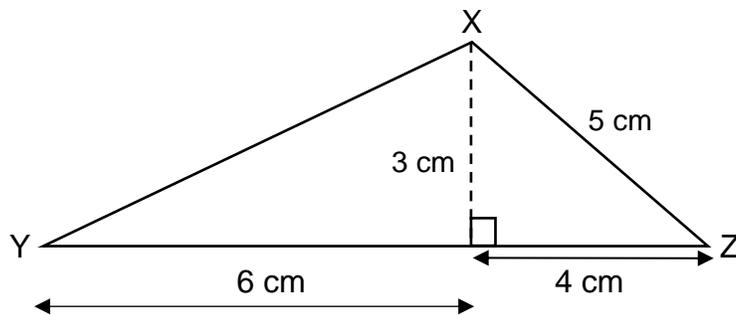
(1) 0.705

(2) 7.05

(3) 70.5

(4) 7.5

( )

6. The movie, "Frozen", started at 3.50 p.m. and ended at 5.05 p.m. How long was the movie?

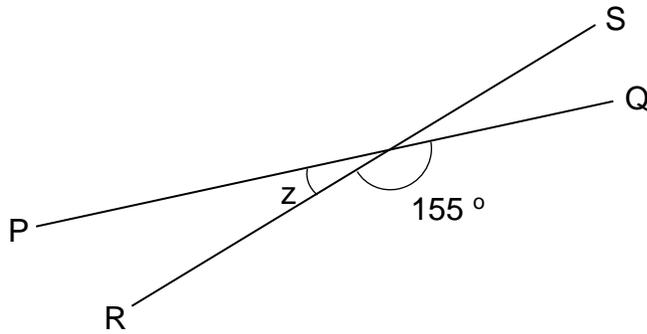(1) 1 h 15 min
(2) 1 h 25 min
(3) 1 h 45 min
(4) 1 h 55 min

( )

7. What is the area of triangle XYZ as shown in the figure below?
(The figure is not drawn to scale)

(1) 9 cm ^{2}

(2) 15 cm ^{2}

(3) 25 cm ^{2}

(4) 30 cm ^{2}

( )

8.   PQ and RS are straight lines. Find $\angle z$. (The figure is not drawn to scale)

(1)   15º

(2)   25 º
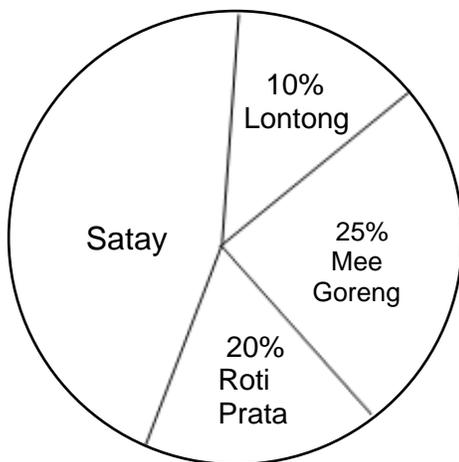
(3)   35 º

(4)   50 º

(   )

9.   What is 0.1 expressed as a percentage?

(1)   0.01%

(2)   0.1%

(3)   1%

(4)   10%

(   )

The pie chart below shows the favourite type of food of 80 pupils. Study it carefully and use it to answer questions 10 and 11.

10. Which type of food is the least popular?

    (1) Lontong
    (2) Mee Goreng
    (3) Roti Prata
    (4) Satay

    (   )

11. How many **more** pupils prefer Satay to Lontong?

    (1) 44
    (2) 36
    (3) 28
    (4) 8

    (   )

12. Find the value of 45 − (20 ÷ 5) x 2.

    (1)   8
    (2)   37
    (3)   43
    (4)   82
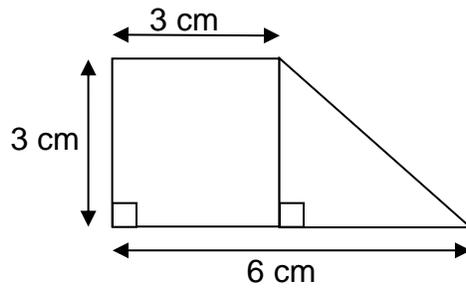
(   )

13. Find the value of $\dfrac{1}{2} + \dfrac{1}{3} + \dfrac{1}{4}$.

    (1) $\dfrac{1}{12}$

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

    (3) $1\dfrac{1}{12}$

    (4) $1\dfrac{1}{9}$

(   )

14. Find the area of the figure below.

(1)   9 cm²
(2)   12 cm²
(3)   13.5 cm²
(4)   16.5 cm²

(   )

15. The average age of Mickey, Amy and Zyan is 17 years. Mickey is 14 years old and Amy is 19 years old. How old is Zyan?

(1)   18 years old
(2)   32 years old
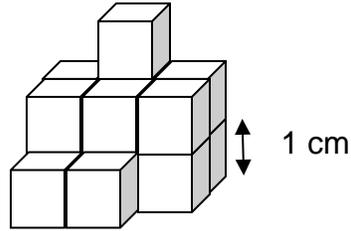(3)   37 years old
(4)   51 years old

(   )

16. The average number of buttons in 4 boxes is 32.
One of the boxes contains 20 buttons. How many buttons are there in the other three boxes?

(1)   128

(2)   108

(3)   12

(4)   8

(   )

17. The diagram below shows the number of 1-cm cubes used by Alvin.

1 cm
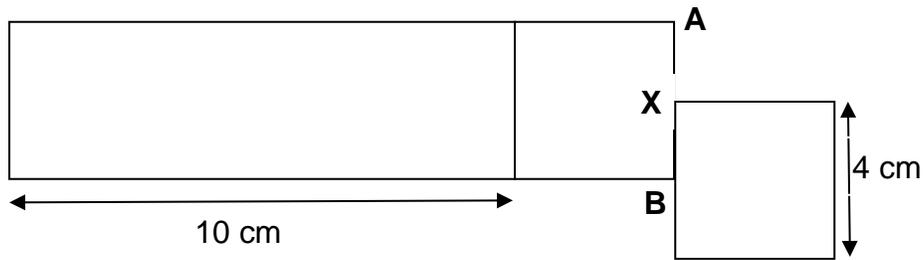
What is the least number of 1-cm cubes needed to form a bigger cube measuring 3 cm by 3 cm by 3 cm?

(1)   9
(2)   12

(3)   18

(4)   27

(   )

18. The diagram below, not drawn to scale, is made up of a rectangle and two identical squares. X is the mid-point of Line AB.
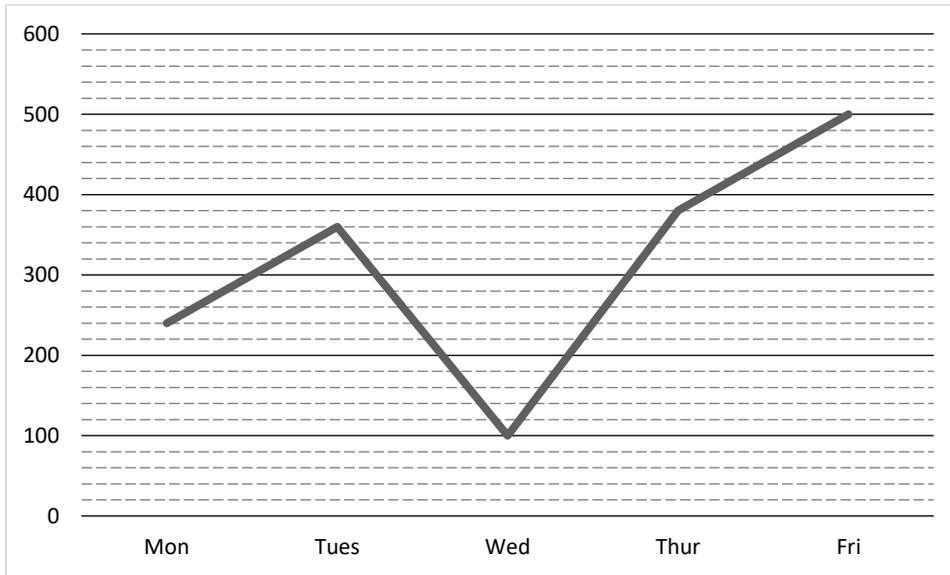
A

X

4 cm

B

10 cm

Find the perimeter of the figure.

(1)   48 cm

(2)   52 cm

(3)   56 cm

(4)   72 cm

(   )

19. The line graph below shows the number of cakes sold by a bakery over 5 days. Study the graph and answer the question below.
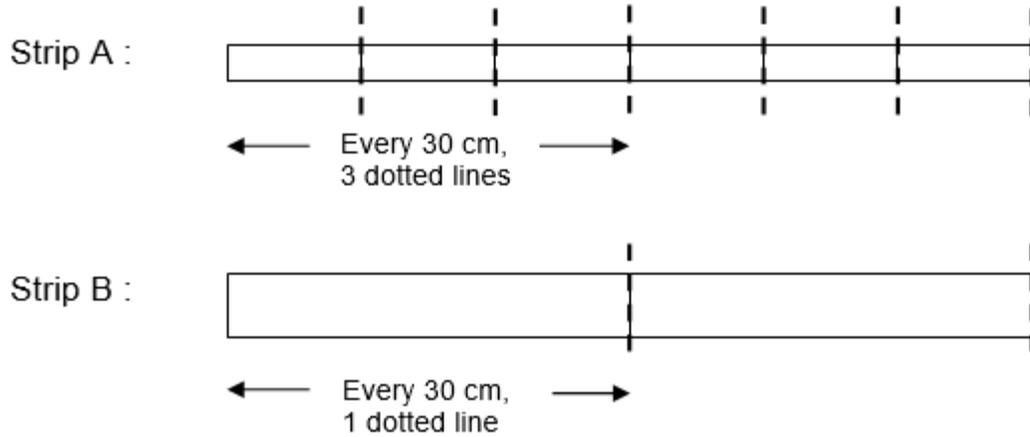

Which period shows the greatest increase in the sales of the cakes?

(1) Monday to Tuesday
(2) Tuesday to Wednesday
(3) Wednesday to Thursday
(4) Thursday to Friday

(   )

20. Mandy had 2 strips of cardboards, each of equal length. She drew dotted lines in the manner shown below:

Strip A :

Every 30 cm,
3 dotted lines

Strip B :

Every 30 cm,
1 dotted line

Altogether Mandy drew 100 dotted lines. What was the total length of both strips of cardboard?

(1) 25 cm

(2) 375 cm

(3) 750 cm

(4) 1500 cm

(   )

End of Booklet A