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சபரகமுவ மாகாண கல்லித் திணைக்களம்  
Sabaragamuwa Provincial Department of Education

මධ්‍ය වාර්ෂික පරීක්ෂණය 2018

06 ශ්‍රේණිය

Mid Term Test 2018

தரம் 06

Grade 06

ගණිතය

கணிதம்

Mathematics

} I

පැය දෙකයි

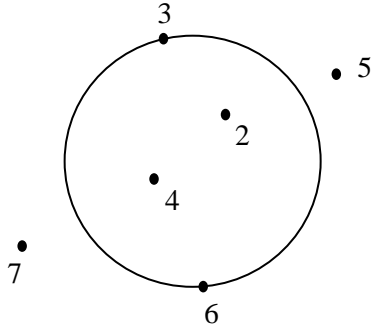
இரண்டு மணித்தியாலம்

Two Hour

Part - I

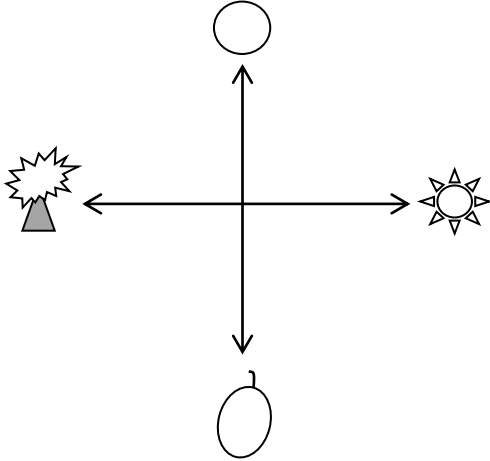
Answer all the questions.

01.



Write the sum of the numbers which are on the circle.

02.



Write the name of a figure which is opposite to the East direction.

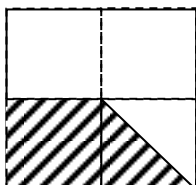
03. Fill in the blanks using the symbol  $>$ ,  $<$  or  $=$

i.  $0.89 \dots\dots\dots 0.9$

ii.  $0.7 \dots\dots\dots \frac{7}{10}$

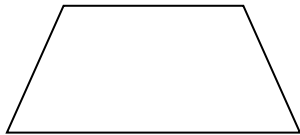
04. Write down the multiples of 7 between 14 to 40.

05.

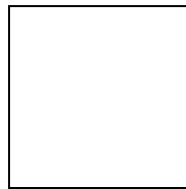


Write down the unshaded part as a fraction.

06. Name the following plane figures.

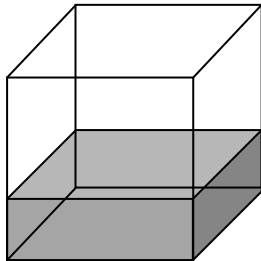


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07.



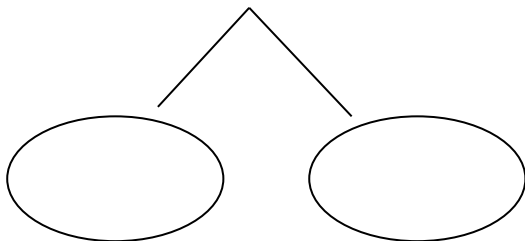
The figure shows a cubical vessel.

- i. How many vertical faces are there ?
- ii. If there are 250ml of water in the vessel estimate the water needed to fill the vessel.

08.

$\frac{1}{3}$	$\frac{6}{5}$	$\frac{1}{4}$
$\frac{9}{7}$	$\frac{3}{5}$	$\frac{5}{7}$

Separate the following fractions into two groups.



unite fractions

proper fractions

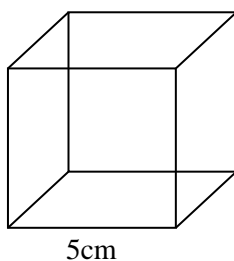
09. A student compare two decimal numbers as follows.

$0.8$	$<$	$0.80$
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Is this correct ? Give reasons for your answer.

10. While going to school, a student saw his shadow was exactly back to his in the morning. To which direction the student facing.

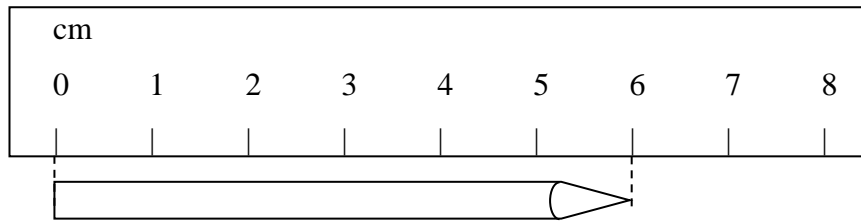
11.



What is the total length of the vertical edges in this figure ?

12. Write 2 km 65m in meters.

13.



write the length of the pencil in millimeters.

14. Write "third January of 1965" in standard form.

15. Draw the block of a regular tetrahedron.

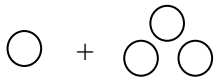
16. Write square numbers among the factors of 12.

17.

00 : 45

Write this time on 12 hour clock.

18.



= ..... Draw the answer using " ○ " symbol.

19.

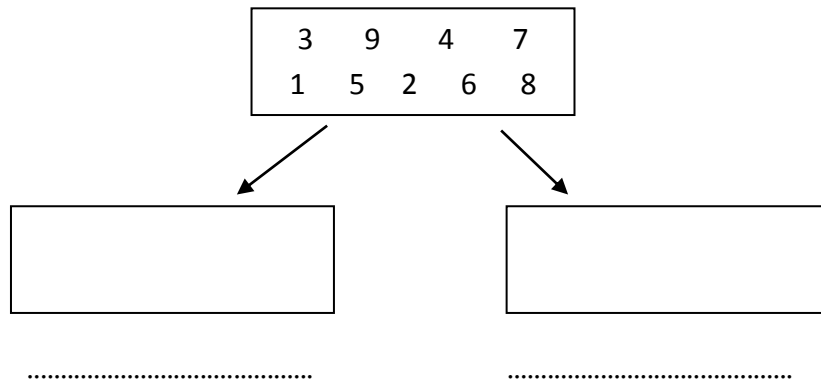
Simplify  $\frac{1}{3} + \frac{1}{4}$

20. How many persons will be taking 4 toffees each, which the toffee amount can be divided among 40 persons with 3 toffees per each ?

## Part II

Answer 05 questions only

01. i. Separate the following numbers into two groups and suggest suitable names for each groups.

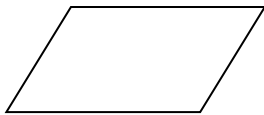


(03)

- ii. Select a suitable name for each plane figure.

(Square / Rhombus / Triangle / Parallelogram / Rectangle)

a.



.....

b.



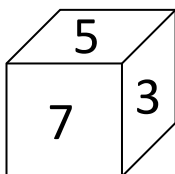
.....

c.



.....

iii.



This figure shows a cubical dice and the opposite sides of each faces contains same number.

(03)

- a. Find the sum of the numbers on the vertical faces.

(02)

- b. Find the sum of the numbers on the horizontal faces.

(02)

- iv. A solid has been made by placing two identical cubes together, such that two of there faces coincide and the pasting these two faces together. For this compound solid find the number of edges.

(02)

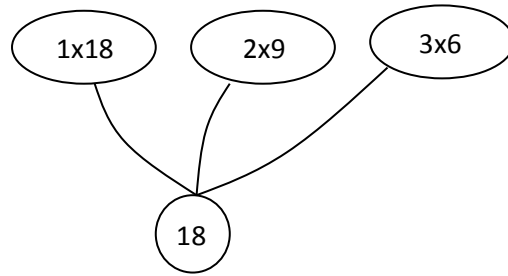
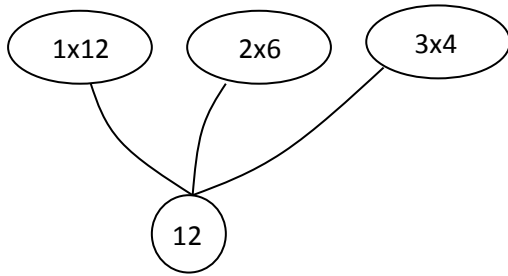
02. i. Write all the factors of 15.

(02)

- ii. Write first three multiples of 23.

(03)

iii.

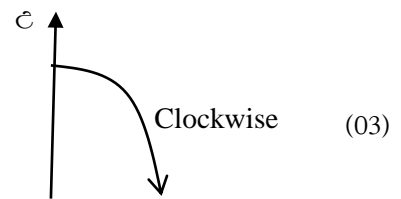


According to the above multiples, write down all the common factors of 12 and 18. (03)

iv. Father distributed 0.95 to the elder son, 0.75 to the younger son of from his 2.85 land. How much of the land is now left for father. (04)

03. i. consider the angles formed from North clockwise, write the following types of angles.

- a. Angle formed between North and North-East.
- b. Angle formed between North and South-East.
- c. Angle formed between North and South-West.



ii. a. In the number 45376, what is the value shown by digit 5 ? (02)

b. Write the given number in standard form and write it in words. (02)

2368105200

iii. Simplify  $1098 + 987$  (02)

iv. In the number 24345

a. What is the value represented by 4, which is positioned second from the right. (02)

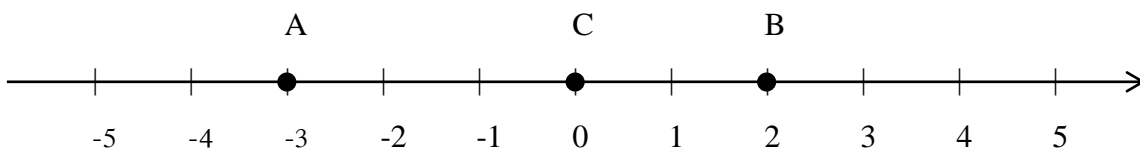
b. What is the place value corresponding to the position 3 ? (01)

04. i. When a certain number is rounded off to the nearest multiple of ten, the value obtained is 130.

a. What is the least value that this number can take ?

b. What is the most value that this number can take ? (04)

ii.



Write down the values represented by A,B and C on the number line.

A - .....

B - .....

C - .....

(03)

iii. fill in the blanks using the symbol  $>$ ,  $<$  or  $=$

a.  $-2 \dots\dots\dots +3$

b.  $0 \dots\dots\dots -5$

c.  $-4 \dots\dots\dots -1$  (03)

iv. Harshani says that -2, -3, 0, 5 integers are in ascending order. Do you agree with her ? Give reasons for your answer. (02)

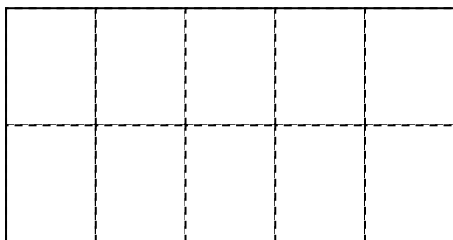
05. i. Simplify  $\frac{5}{8} - \frac{1}{4}$  (02)

ii. Simplify  $\frac{5}{18} - \frac{2}{9}$  (02)

iii. Fill in the blanks. (03)

$$\frac{2}{3} = \frac{\boxed{\phantom{00}}}{6} = \frac{\boxed{\phantom{00}}}{30} = \frac{22}{\boxed{\phantom{00}}}$$

iv. Colour  $\frac{2}{5}$  of the following figure.



v. Match the following fractions.

$$\frac{1}{2}$$

$$\frac{6}{9}$$

$$\frac{2}{3}$$

$$\frac{9}{12}$$

$$\frac{3}{4}$$

$$\frac{2}{4}$$

(03)

07. i. 1, 3, 6, 10, .....

Which number pattern is shown above ?

(02)

ii. Write next three terms of the above number pattern.

(03)

iii. Fill in the blanks.

$$1^{\text{st}} \text{ term} \quad \frac{1 \times 2}{2} = 1$$

$$2^{\text{nd}} \text{ term} \quad \frac{2 \times 3}{2} = 3$$

$$3^{\text{rd}} \text{ term} \quad \frac{3 \times 4}{2} = 6$$

$$4^{\text{th}} \text{ term} \quad \frac{4 \times 5}{2} = \dots\dots\dots$$

$$5^{\text{th}} \text{ term} \quad \frac{\dots\dots \times \dots\dots}{2} = 15$$

(03)

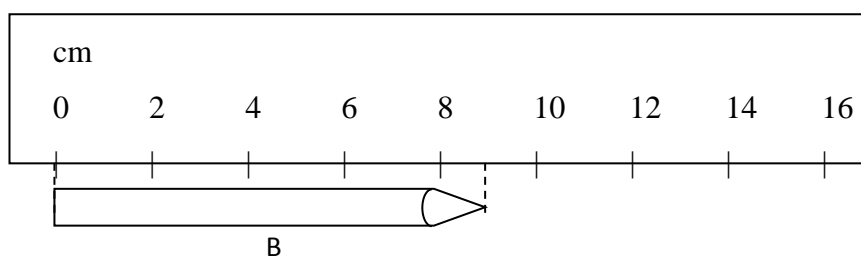
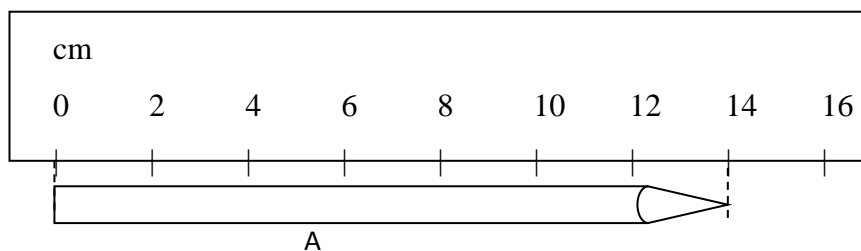
iv. Dammika says that the fifth term of a square number pattern is 10. Is it correct ? Give reasons for your answer.

(02)

v. 1, 3, 6, 10, ..... Find the 8th term of this pattern and which term is it in the square number pattern.

(02)

07. i.



What is the difference in length between pencil A and pencil B ?

(02)

ii. a. Write 0.8cm in millimeters. (01)

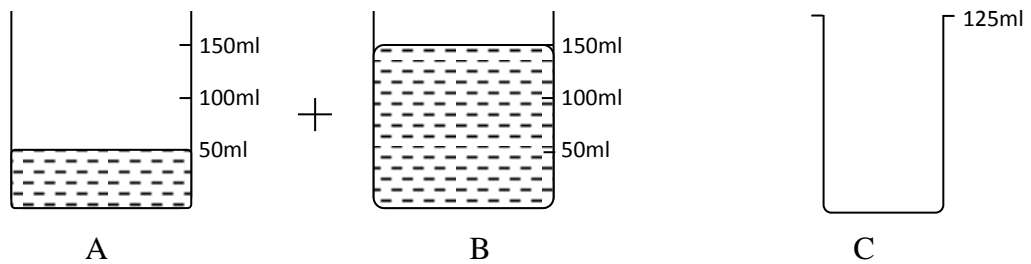
b. Fill in the blanks.

$$\begin{aligned}
 42\text{cm } 5\text{mm} &= \dots\dots\dots \text{cm} + \dots\dots\dots \text{mm} \\
 &= \dots\dots\dots \text{mm} + \dots\dots\dots \text{mm} \\
 &= \underline{\underline{\dots\dots\dots}} \text{mm}
 \end{aligned}
 \tag{04}$$

iii. Simlify

$$\begin{array}{r}
 l \quad \quad ml \\
 5 \quad \quad 275 \\
 + \quad 3 \quad 125 \\
 \hline
 \hline
 \end{array}
 \tag{01}$$

iv. a.



If the water in vessel A and B was poured to the vessel C, how much water were wasted ? (02)

b. Write 3l 95ml in milliliters. (02)