

# Learn Basics Workbook - Math

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## LaPIS Diagnostic Test Report - Math

**Name :** Abhishek .A

**Class :** 8

**Section** A

**School:** Lotus Public School

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## Abhishek .A's Performance Report

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## Abishek .A's Study Planner

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Date	Topic Planned	Q Number	Teacher Remark	Teacher Sign	Parent Sign

Teacher's Feedback to Student

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Class Teacher Signature

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Principal Signature

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## Algebra

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Topics	To be Improved
Comparing ratio	Proportion
What is ratio?	Basics of ratio
Expression with variables	Expression with variables
Variables	Identifying variables
Simple expression(operation)	Using expressions practically

### Question: C6MDT22A

Find the missing number?

$$30 : 10 :: \square : 1$$

Answer:

$$\frac{30}{10} = \frac{\square}{10}$$

By further division we get,

$$30 : 10 :: \square : 1$$

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### Question: C6MDT22B

Find the value of y.

12 mangoes : 3 mangoes : : Rs.60 : Rs.y

Answer:

$$12 \text{ mangoes} : 3 \text{ mangoes} = \frac{\square}{\square}$$

$$12 \text{ mangoes} : 3 \text{ mangoes} : : \text{Rs.60} : \text{Rs.y} = \frac{\square}{\square} = \frac{\square}{y}$$

By further division, we get y = Rs.\_\_\_\_\_

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### Question: C6MDT22C

Karun earns Rs.35000 per month. Determine if the ratio of Karun's monthly salary : Karun's two month salary : : Karun's half year income : Karun's annual income is proportional.

Answer:

Karun's salary per month = Rs. \_\_\_\_\_

Karun's two month salary = Rs.\_\_\_\_\_

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Half year = \_\_\_\_\_ months

Karun's half year income = Rs. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

1 year = \_\_\_\_\_ months

Karun's annual income = Rs. \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

Checking whether the ratio of Karun's monthly salary : Karun's two month salary : : Karun's half year income : Karun's annual income is proportional.

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**Question: C6MDT18A**

Which of the below given boxes are equal to the ratio 3 : 5

60:100	50:30	18:30	12:25
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**Answer:**

Comparing the two quantities in terms of 'how many times'. This comparison is known as the \_\_\_\_\_

$$60 : 100 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$18 : 30 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

By repeated division we get, \_\_\_\_ : \_\_\_\_

By repeated division we get, \_\_\_\_ : \_\_\_\_

$$50 : 30 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$12 : 25 = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

By repeated division we get, \_\_\_\_ : \_\_\_\_

By repeated division we get, \_\_\_\_ : \_\_\_\_

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**Question: C6MDT18B**

Find the ratio of 150cm to 1.2m in simplest form.

**Answer:**

$$\begin{aligned} 1 \text{ meter} &= \underline{\hspace{2cm}} \\ 1.2 \text{ meter} &= \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \text{ cm} \\ 1.2 \text{ meter} &= \underline{\hspace{2cm}} \text{ cm} \\ 150\text{cm} : 1.2\text{m} &= 150 : \underline{\hspace{2cm}} \end{aligned}$$

By repeated division we get, \_\_\_\_\_ : \_\_\_\_\_

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**Question: C6MDT18C**

The height and base of a triangular sign board is 32cm and 40cm respectively. What is the ratio of \_\_\_\_\_

height to the base ?

**Answer:**

Height of a triangular sign board = \_\_\_\_\_

Base of a triangular sign board = \_\_\_\_\_

Ratio of height to base = \_\_\_\_\_ : \_\_\_\_\_

By repeating division, we get \_\_\_\_\_ : \_\_\_\_\_

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**Question: C6MDT19A**

Determine if the following are in proportion. 40, 240, 100, 600

**Answer:**

40 : 240 :: 100 : 60

$$\frac{\square}{\square} = \frac{\square}{\square}$$

By repeated division, we get

$$\frac{\square}{\square} = \frac{\square}{\square}$$

These numbers are proportional / not proportional

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**Question: C6MDT19B**

The ratio of student who chose Sanskrit as their second language to French as their second language is 13 : 17 where, 85 students chose French as their second language. How many students chose Sanskrit as their second language?

**Answer:**

The ratio of student choose Sanskrit : The ratio of student choose French = \_\_\_\_ : \_\_\_\_

Number of students who choose French as their second language is \_\_\_\_\_

$$\frac{\square}{\square} = \frac{\square}{85}$$

Number of students who choose Sanskrit as their second language is \_\_\_\_\_

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**Question: C6MDT19C**

Determine if the following ratios form a proportion.

120grams to 1.2kg and 6 sec to 1 minute.

**Answer:**

$$1 \text{ kg} = \text{_____} \text{ grams}$$

$$1.2 \text{ kg} = 1.2 \times \text{_____}$$

$$1.2 \text{ kg} = \text{_____} \text{ grams}$$

$$120 \text{ gram} : 1.2\text{kg} = \text{_____} : \text{_____}$$

$$1 \text{ minute} = \text{_____} \text{ seconds}$$

$$6 \text{ sec} : 1 \text{ minute} = \text{_____} : \text{_____}$$

These ratios are proportional/ not proportional

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**Question: C6MDT15A**

The weight of each apple is given below. Find the total weight of all the apples.

Q15A.png

**Answer:**

Total given number of apples are \_\_\_\_\_.

The weight of each apple are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

Total weight of the given apples = Apple 1 ( \_\_\_\_\_ ) Apple 2 ( \_\_\_\_\_ ) Apple 3.

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**Question: C6MDT15B**

Express the statement.

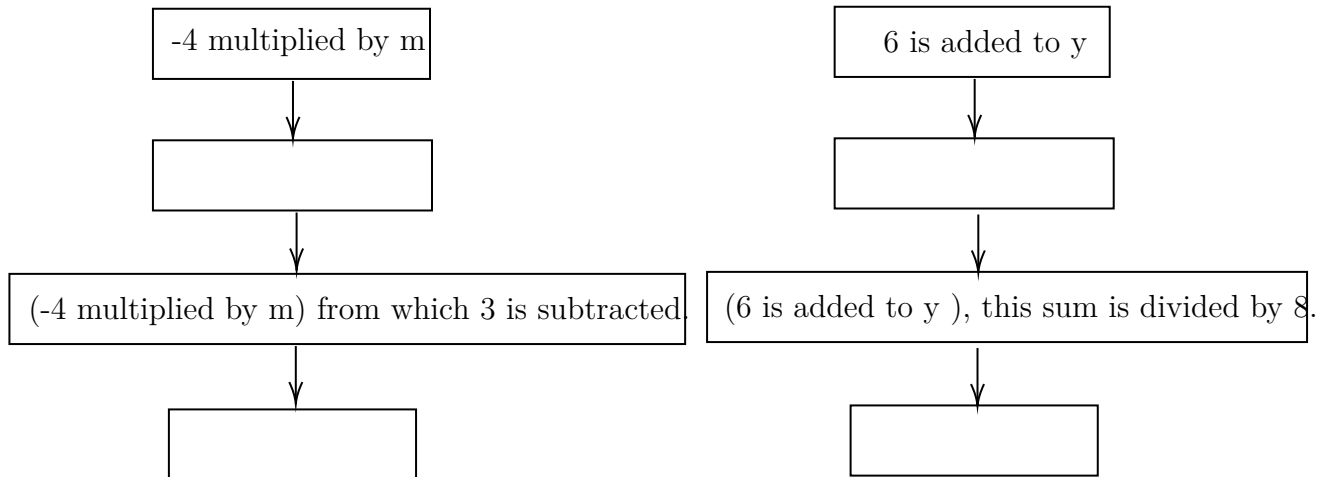
(i) - 4 is multiplied by m from which 3 is subtracted.

(ii) 6 is added to y, this sum is divided by 8.

**Answer:**

i. The operations used in this statement are \_\_\_\_\_, \_\_\_\_\_

ii. The operations used in this statement are \_\_\_\_\_, \_\_\_\_\_



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**Question: C6MDT15C**

Arun is 'x' years old. Karan is 2 years less than twice the age of Arun. Express Karan's age.

**Answer:**

Age of Arun is \_\_\_\_\_.

Twice the age of Arun can be written as \_\_\_\_\_.

Karan's age = 2 less than twice the age of Arun = \_\_\_\_\_ .

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**Question: C6MDT14A**

Pick the correct answer.

\_\_\_\_\_ is an alphabet that represents an unknown number or quantity.

(Variable/Expression).

**Answer:**

Unknown values are represented by an alphabet or a symbol is called as \_\_\_\_\_ and it's value is not \_\_\_\_\_.

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**Question: C6MDT14B**

Tick the boxes which have expressions with a variables

$20 + 3 - 23$	$2x + 3 + 20$	$11\frac{3}{5}y + 33$	$12x ( 6 - 4 ) = 24$
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**Answer:**

The variables are denoted by \_\_\_\_\_ (alphabets/ symbol / number).

The expressions in the given boxes are \_\_\_\_\_.

The expression which contains variable are \_\_\_\_\_.

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**Question: C6MDT14C**

There are x number of students in a classroom where 14 students went for swimming class, 9 students went for music class, 3 students were in library. Write an expression for the remaining number of students in the classroom.

**Answer:**

Total number of students in a class room are \_\_\_\_\_.

The students who went for swimming class are \_\_\_\_\_

Students went for music class are \_\_\_\_\_

The students went to library are \_\_\_\_\_

Number of remaining students = Total number of students in a class room (-) Total number of students outside the class

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**Question: C6MDT17A**

Q17A.png

**Answer:**

The total distance is \_\_\_\_\_.

A man covered \_\_\_\_\_ kilometers from the starting point initially.

Remaining distance to reach ending point = Total distance \_\_\_\_ initial distance covered.

Remaining distance = \_\_\_\_\_.

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**Question: C6MDT17B**

There are a total of 120 toffees in two jars. One jar is bigger than the other and it contain 86 toffees. How many toffees are there in the small jar.

**Answer:**

The total number of toffees are \_\_\_\_\_.

Bigger jar contains \_\_\_\_\_ toffees.

Number of toffees in small jar = Total number of toffees \_\_\_\_\_ ( $\times/\div/-$ ) Number of toffees in big jar.

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**Question: C6MDT17C**

A cobbler mends 12 shoes a day except Sunday. On Sunday he mends only 4 shoes. What is the total number of shoes the cobbler mends in a week.

**Answer:**

Total number of days in a week \_\_\_\_\_.

The cobbler mends \_\_\_\_\_ shoes per day(except Sunday).

Total shoes mends on a week (except Sunday) = \_\_\_\_\_  $\times$  \_\_\_\_\_  
= \_\_\_\_\_.

On Sunday he mends only \_\_\_\_\_.

Total number of shoes the cobbler mends in a week = shoe mends in other days  
= \_\_\_\_\_ shoe mends on Sunday

Total number of shoes the cobbler mends in a week = \_\_\_\_\_.

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## Basic Arithmetic

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Topics	To be Improved
Basic Arithmetic	Multiplication, Division, Addition and Subtraction

**Question: C6MDT27A**

Solve :  $8 \times 10 \times 11$

**Answer:**

Changing the grouping in which we multiply numbers does not change the product.

$(a \times b) \times c =$  \_\_\_\_\_

This property is called \_\_\_\_\_

$8 \times 10 =$  \_\_\_\_\_

\_\_\_\_\_  $\times 11 =$  \_\_\_\_\_

$8 \times 10 \times 11 =$  \_\_\_\_\_

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**Question: C6MDT27B**

Solve :

$$1562 \times 48$$

**Answer:**

$$\begin{array}{r} 1 \quad 5 \quad 6 \quad 2 \\ \times \quad \quad \quad 4 \quad 8 \\ \hline \\ \hline \\ \hline \end{array}$$

Therefore,  $1562 \times 48 = \underline{\hspace{2cm}}$

**Question: C6MDT27C**

Fill in the blanks with the correct answer.

$$156 \times \underline{\hspace{1cm}} = 1872$$

14	13	12	15
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**Answer:**

$\begin{array}{r} 1 \quad 5 \quad 6 \\ \times \quad 1 \quad 4 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 1 \quad 5 \quad 6 \\ \times \quad 1 \quad 3 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 1 \quad 5 \quad 6 \\ \times \quad 1 \quad 2 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 1 \quad 5 \quad 6 \\ \times \quad 1 \quad 5 \\ \hline \\ \hline \end{array}$
$\underline{\hspace{2cm}}$	$\underline{\hspace{2cm}}$	$\underline{\hspace{2cm}}$	$\underline{\hspace{2cm}}$
$\underline{\hspace{2cm}}$	$\underline{\hspace{2cm}}$	$\underline{\hspace{2cm}}$	$\underline{\hspace{2cm}}$

Therefore,  $156 \times \underline{\hspace{1cm}} = 1872$

**Question: C6MDT25A**

Solve  $\frac{25 \times 12}{5}$

**Answer:**

This can be also written as  $\frac{25}{5} \times 12$

25 is divided by 5 and the answer is multiplied by  $\underline{\hspace{2cm}}$

The final answer is  $\underline{\hspace{2cm}}$

**Question: C6MDT25B**

What is the remainder of  $558 \div 5$  ?

**Answer:**

$$\begin{array}{r}
 1 \quad \underline{\quad\quad} \\
 5 \overline{) 5 \quad 5 \quad 8} \\
 \hline
 \end{array}$$

$\underline{\hspace{2cm}}$   
 $\underline{\hspace{2cm}}$   $\longrightarrow$  Remainder

**Question: C6MDT25C**

Solve :  $20 \times (30 + 270) \div 4$

**Answer:**

Add the numbers given in the bracket =  $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Multiply the sum with  $\underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Divide the product with  $\underline{\quad} = \frac{\boxed{\quad}}{\boxed{\quad}} = \underline{\quad}$

B – Bracket

O – Order

D –

M –

A –

S –

**Question: C6MDT23A**

Answer the following questions.

i.  $345 + 126 = \underline{\hspace{2cm}}$

ii.  $1290 - 347 = \underline{\hspace{2cm}}$

**Answer:**

$$\begin{array}{r}
 3 \quad 4 \quad 5 \\
 (+) 1 \quad 2 \quad 6 \\
 \hline
 \hline
 \end{array}$$

$$\begin{array}{r}
 1 \quad 2 \quad 9 \quad 0 \\
 (-) \quad 3 \quad 4 \quad 7 \\
 \hline
 \hline
 \end{array}$$

**Question: C6MDT23B**

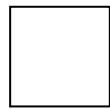
Fill in the blanks with correct symbol.(  $>$  or  $<$  or  $=$  )

$(569 - 129) \boxed{\quad} (580 - 140)$

**Answer:**

$$\begin{array}{r} 5 \quad 6 \quad 9 \\ (-) \quad 1 \quad 2 \quad 9 \\ \hline \\ \hline \end{array}$$

Symbol



$$\begin{array}{r} 5 \quad 8 \quad 0 \\ (-) \quad 1 \quad 4 \quad 0 \\ \hline \\ \hline \end{array}$$

### Question: C6MDT23C

In a village there are 6453 villagers, in which 1967 are women, 1509 children and remaining are the men. Find the number of men in the village ?

Answer:

Total number of villagers = \_\_\_\_\_

Number of women = \_\_\_\_\_

Number of children = \_\_\_\_\_

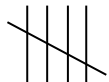
Number of men = (\_\_\_\_\_) - (\_\_\_\_\_ + \_\_\_\_\_) = \_\_\_\_\_

## Data Handling

Topics	To be Improved
Tally marks	Basics of Tally marks

### Question: C6MDT38A

The fifth mark in a group of five marks should be used as a cross, as shown by



These are called \_\_\_\_\_

Answer:

A \_\_\_\_\_ is a collection of numbers gathered to give some information.

| → represents = \_\_\_\_\_

|| → represents = \_\_\_\_\_

||| → represents = \_\_\_\_\_

|||| → represents = \_\_\_\_\_

||||| → represents = \_\_\_\_\_

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**Question: C6MDT38B**

There are 12 students in a class. Represent this with tally marks.

**Answer:**

Tally marks for 1 - \_\_\_\_\_, 2 - \_\_\_\_\_, 3 - \_\_\_\_\_, 4 - \_\_\_\_\_, 5 - \_\_\_\_\_.

There are \_\_\_\_\_ students in the class.

In tally marks it is represented as \_\_\_\_\_

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**Question: C6MDT38C**

Fill the tally marks for the number of vehicles in an apartment.

Vehicles	Tally Marks	Number of vehicles
Cycle		10
Bike		18
Car		14

**Answer:**

There are \_\_\_\_\_ cycles. Tally mark = \_\_\_\_\_

There are \_\_\_\_\_ bikes. Tally mark = \_\_\_\_\_

There are \_\_\_\_\_ cars. Tally mark = \_\_\_\_\_

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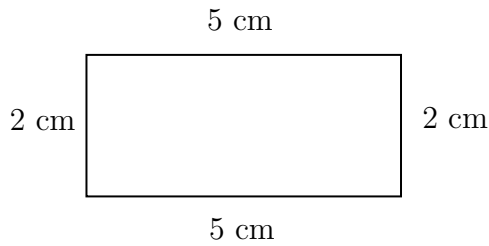
## Geometry

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Topics	To be Improved
Area	Area of rectangle
Classification of triangles	Types of triangles
Quadrilaterals - polygon	Geometrical ideas of Quadrilaterals
Lines of Symmetry	Lines of Symmetry

**Question: C6MDT29A**

What is the area of this rectangle ?

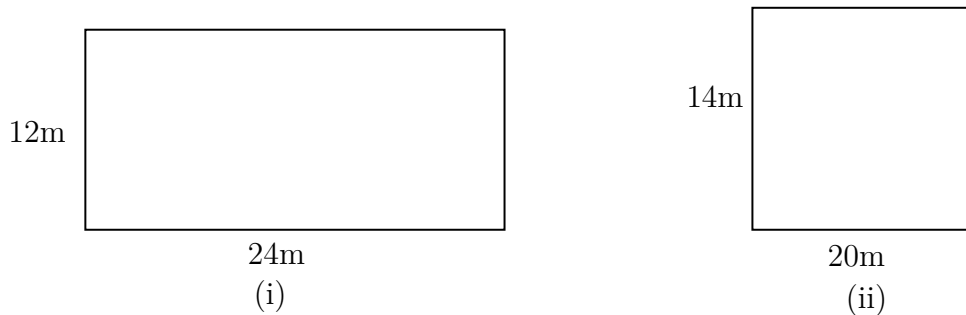


**Answer:**

Length of the rectangle = \_\_\_\_\_  
 Breadth of the rectangle = \_\_\_\_\_  
 Area of the rectangle = \_\_\_\_\_ x \_\_\_\_\_  
 = \_\_\_\_\_ x \_\_\_\_\_  
 Area of the rectangle = \_\_\_\_\_  $cm^2$

**Question: C6MDT29B**

Which of the following rectangle has an area equivalent to 280 sq. m.



**Answer:**

Rectangle (i)

Length of the rectangle = \_\_\_\_\_  
 Breadth of the rectangle = \_\_\_\_\_  
 Area of the rectangle = \_\_\_\_\_ x \_\_\_\_\_  
 = \_\_\_\_\_ x \_\_\_\_\_  
 Area of the rectangle = \_\_\_\_\_ (= /  $\neq$ ) 280 sq.m

Rectangle (ii)

Length of the rectangle = \_\_\_\_\_

Breadth of the rectangle = \_\_\_\_\_

Area of the rectangle = \_\_\_\_\_ x \_\_\_\_\_

= \_\_\_\_\_ x \_\_\_\_\_

Area of the rectangle = \_\_\_\_\_ (= /  $\neq$ ) 280 sq.m

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**Question: C6MDT29C**

Area of a rectangular street is 2640m<sup>2</sup> and its length = 44m . What is the breadth of the street?

**Answer:**

Length of the rectangle street = \_\_\_\_\_

Breadth of the rectangle street = \_\_\_\_\_

Area of the rectangle = \_\_\_\_\_ x \_\_\_\_\_ cm<sup>2</sup>

Breadth of the rectangle =

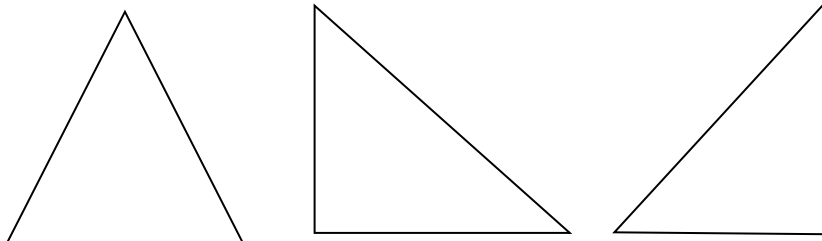
perimeter

Breadth of the rectangular street =

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**Question: C6MDT36A**

Which of the following triangle is a right-angled triangle ?



**Answer:**

The angle made at the right angle is \_\_\_\_\_°

A triangle with right angle is called as \_\_\_\_\_.

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**Question: C6MDT36B**

Draw an example of

1. Scalene triangle
2. Obtuse angled triangle
3. Equilateral triangle

**Answer:**

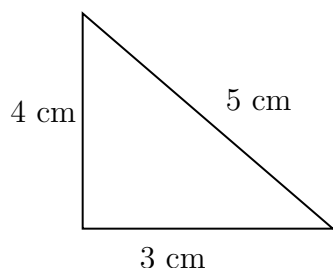
The sides and angle are different in \_\_\_\_\_ triangle.

All the sides and angles are equal in \_\_\_\_\_ triangle.

If one of the angle is greater than  $90^\circ$ , then the triangle is called as \_\_\_\_\_.

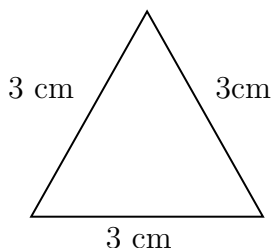
**Question: C6MDT36C**

Name each of the following triangles in two different ways (based on angles and based on sides).



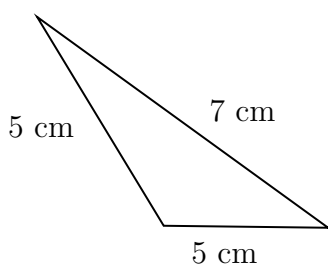
Based on angle : \_\_\_\_\_

Based on side : \_\_\_\_\_



Based on angle : \_\_\_\_\_

Based on side : \_\_\_\_\_



Based on angle : \_\_\_\_\_

Based on side : \_\_\_\_\_

**Answer:**

A triangle having all three unequal sides is called a \_\_\_\_\_.

A triangle having three equal sides is called an \_\_\_\_\_.

A triangle having two equal sides is called an \_\_\_\_\_.

If each angle is less than  $90^\circ$ , then the triangle is called an \_\_\_\_\_.

If any one angle is a right angle then the triangle is called a \_\_\_\_\_.

If any one angle is greater than  $90^\circ$ , then the triangle is called an \_\_\_\_\_.

**Question: C6MDT33A**

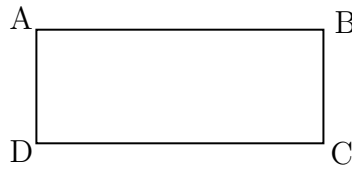


Any two sides with a common end point are called the \_\_\_\_\_ sides of the polygon.

**Answer:**

\_\_\_\_\_ is closed figure with 3 or more sides.

Mark the adjacent angles.

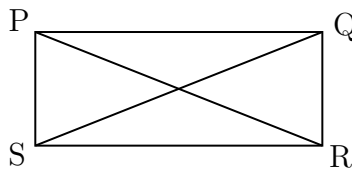


Any two sides with a common end point are called the \_\_\_\_\_ sides of the polygon.

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**Question: C6MDT33B**

Name the diagonals from the given figure.



**Answer:**

A \_\_\_\_\_ is a straight line connecting the opposite corners of a polygon through its vertex .

The given figure PQRS is a \_\_\_\_\_

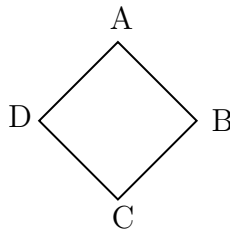
The sides of the given shape are \_\_\_\_\_

The diagonals in the given figure is \_\_\_\_\_

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**Question: C6MDT33C**

Mark the sides, diagonals and adjacent sides in the rhombus.



**Answer:**

The given shape is \_\_\_\_\_.

The sides of the polygon is \_\_\_\_\_.

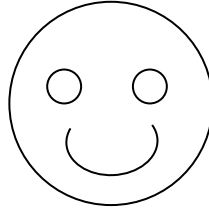
The diagonals of the polygon is \_\_\_\_\_.

The adjacent sides of the polygon is \_\_\_\_\_.

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**Question: C6MDT26A**

Draw the line of symmetry for this shape.



**Answer:**

In symmetry if a image is divided by a line, that image should be divided into \_\_\_\_\_ symmetric parts.

Let's assume a line X to find the symmetricity of the given figure,  
The line X divides the image equally. Hence, X is the \_\_\_\_\_.

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**Question: C6MDT26B**

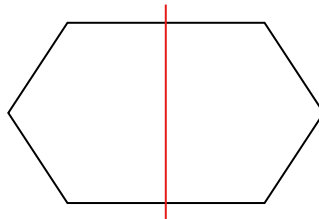
\_\_\_\_\_ lines of symmetry can be drawn for a hexagon ?

**Answer:**

The line of symmetry is also called as \_\_\_\_\_.

A hexagon has \_\_\_\_\_ sides.

Mark the lines of symmetry.

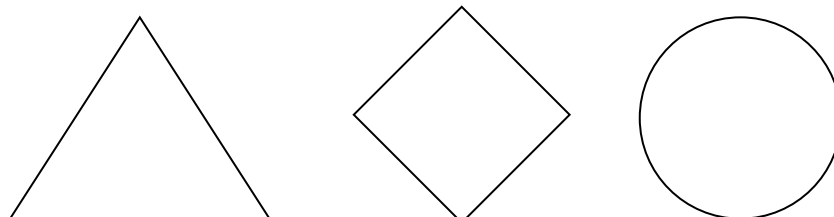


Therefore, the hexagon has \_\_\_\_\_ lines of symmetry.

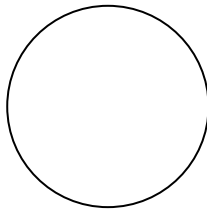
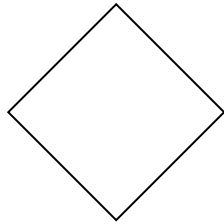
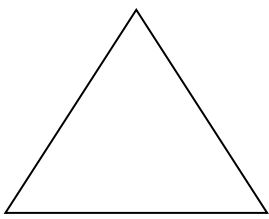
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**Question: C6MDT26C**

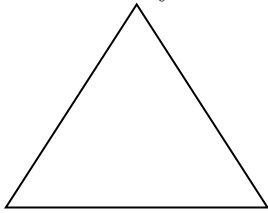
Draw the lines of symmetry for the following figures.



Answer:

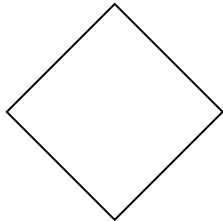


An image is said to be symmetrical if it has \_\_\_\_\_ balanced proportion.



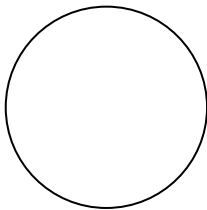
This is an image of a \_\_\_\_\_

Lines of symmetry \_\_\_\_\_



This is an image of a \_\_\_\_\_

Lines of symmetry \_\_\_\_\_



This is an image of a \_\_\_\_\_

Lines of symmetry \_\_\_\_\_

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## Number system

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Topics	To be Improved
Equivalent fraction	Understanding equivalent fractions
Operation on decimals	Addition of decimals
Decimals	Comparision of decimals
Lowest Common Multiple	LCM of numbers
Prime and Composite Numbers	Prime and Composite Numbers

**Question: C6MDT7A**

Shade and write down the equivalent fraction of  $\frac{2}{3} = \frac{\square}{6}$

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**Answer:**

\_\_\_\_\_ fraction represent the same part of a whole.

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There are \_\_\_\_\_ square boxes filled out of 3 square boxes.  
The fraction is \_\_\_\_\_.

$$\frac{2}{3} \times \frac{\square}{\square} = \frac{\square}{\square}$$

6 is twice of 3, \_\_\_\_\_ is twice of 2

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There are \_\_\_\_\_ square boxes filled out of 6 square boxes.

The fraction is \_\_\_\_\_.

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**Question: C6MDT7B**

Write two equivalent fraction for  $\frac{105}{140}$ .

**Answer:**

To find an \_\_\_\_\_ fraction of a given fraction, you may multiply both the numerator and the denominator of the given fraction by the \_\_\_\_\_ (same/ different) number.

$$\frac{105}{140} = \frac{\square}{\square} = \frac{\square}{\square}$$

$$\frac{105}{140} = \frac{\square}{\square} = \frac{\square}{\square}$$

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**Question: C6MDT7C**

Find the equivalent fraction for  $\frac{210}{280}$  with numerator 3.

**Answer:**

To find an equivalent fraction, we may multiply or \_\_\_\_\_ both the numerator and the denominator by the same number.

To get the denominator 3, divide numerator and denominator with same number.

$$\frac{210 \div \boxed{\phantom{00}}}{280 \div \boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{3}}$$

**Question: C6MDT12A**

Arrange the following numbers in ascending order; 2.01, 1.2, 0.002, 0.02, 1.002

**Answer:**

$$2.01 = 2 + 0.01 = 2 + \frac{2}{\boxed{\phantom{00}}}$$

$$1.2 = 1 + 0.2 = 1 + \frac{2}{\boxed{\phantom{00}}}$$

$$0.2 = 0.2 = \frac{2}{\boxed{\phantom{00}}}$$

$$0.02 = 0.02 = \frac{2}{\boxed{\phantom{00}}}$$

$$1.02 = 1 + 0.02 = \frac{2}{\boxed{\phantom{00}}}$$

Expand the numbers	Ones	Tenths	Hundredths
Least number			
Second least number			
Third least number			
Fourth least number			
Greatest number	2	0	1

Arranging the numbers in ascending order, we get :

**Question: C6MDT12B**

$$\begin{array}{r} 192.01 \\ (+) 42.67 \\ (-) 0.11 \\ \hline \\ \hline \end{array}$$

**Answer:**

Numbers	Hundreds	Tens	Ones	Tenths	Hundredths
192.01					
42.67					
Sum					

Numbers	Hundreds	Tens	Ones	Tenths	Hundredths
_____					
0.11					
Difference					

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**Question: C6MDT12C**

Shop keeper had a stock of 12kg 720grams of oranges in his shop.

Customer 1 bought = 1kg 300grams

Customer 2 bought = 3kg 120grams

Customer 3 bought = 5kg

What is the remaining stock in his shop?

**Answer:**

Stock of oranges in the shop : \_\_\_\_\_

Total oranges sold = \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Remaining stock = Stock of oranges in the shop \_\_\_\_\_ (+/-) Total oranges sold

Remaining stock = \_\_\_\_\_

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**Question: C6MDT13A**

Who scored the highest mark ?

Aleena	Afrin	Aarav
80.4	93.1	88.6

**Answer:**

Name	Mark Scored	Tens	Ones	Tenths
	Highest mark			
	Second highest mark			
	Least mark			

The highest mark is scored by \_\_\_\_\_

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**Question: C6MDT13B**

Compare the following pairs of numbers using > or <.

i. 0.02  0.23

ii. 9.21  9.12

iii. 64.7  64.07

**Answer:**

Comparing numbers	Tens	Ones	Tenths	Hundredths
0.02				
0.23				

Comparing numbers	Tens	Ones	Tenths	Hundredths
9.21				
9.12				

Comparing numbers	Tens	Ones	Tenths	Hundredths
64.7				
64.07				

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**Question: C6MDT13C**

Pick the numbers which are above 8521.02.

<input type="text" value="8521.22"/>	<input type="text" value="8521.01"/>	<input type="text" value="8521.20"/>	<input type="text" value="8511.2"/>	<input type="text" value="8522.0"/>
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**Answer:**

Expand numbers	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths
8521.22						
8521.01						
8521.20						
8511.2						
8522.0						

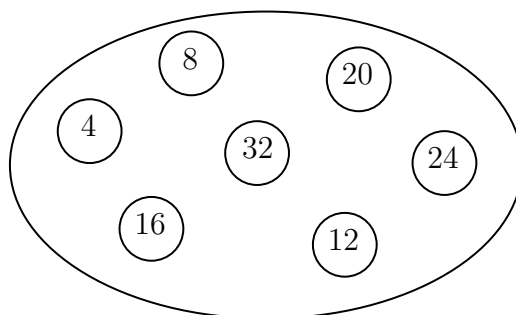
Hi, here in this video we going to learn how to divide a number and divisibility rule.

C6MDT3.png

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**Question: C6MDT3A**

Pick the common multiple of 4 and 8.



**Answer:**

The multiples of 4 are \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_

The multiples of 8 are \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_

The common multiples of 4 and 8 in the above circle are \_\_\_\_, \_\_\_\_, \_\_\_\_ and \_\_\_\_.

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**Question: C6MDT3B**

Find the LCM of 50, twice of 50 and thrice of 50.

**Answer:**

Twice of 50 =  $2 \times$  \_\_\_\_ = \_\_\_\_

Thrice of 50 =  $3 \times$  \_\_\_\_ = \_\_\_\_

Complete the division using least common multiple.

50, ____, ____
1,      2,      3

The LCM of 50, twice of 50 and thrice of 50 is  $2 \times 3 \times$  \_\_\_\_  $\times$  \_\_\_\_

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**Question: C6MDT3C**

Find the least number which when divided by 20, 40 and 60 leaves a remainder 3 in each case.

**Answer:**

Complete the division using least common multiple.



20 , 40 , 60
1 , 2 , 3

The LCM of 20, 40 and 60 is \_\_\_\_\_.

To find the least number which when divided by 20, 40 and 60 leaves a remainder 3 in each case then,

(The LCM of 20, 40 and 60) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Hi, here in this video we going to learn what is angle, different types of angles and how to calculate the angles.

C6MDT4.png

### Question: C6MDT4A

Tick the correct answer.

25 is a (Prime number/Composite number)

**Answer:**

To check whether it is a prime or a composite number.

___ x 1 = 25
___ x ___ = 25
___ x ___ = 25

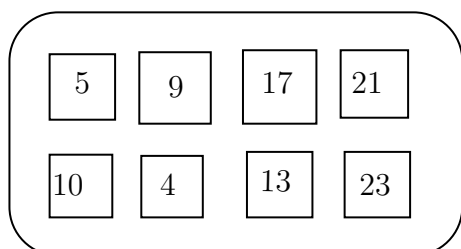
The number 25 has \_\_\_\_\_ factors.

The factors of 25 are \_\_\_\_\_.

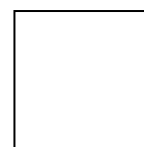
The number 25 is a \_\_\_\_\_ number.

### Question: C6MDT4B

From the given numbers, write down the prime numbers and composite numbers separately.



Prime Numbers



Composite Numbers

**Answer:**

Prime numbers are numbers which has \_\_\_\_\_ factors.

Composite numbers are numbers which has \_\_\_\_\_ factors.

Factors of 5 : 1 and 5 - 2 factors

Factors of 9 : \_\_\_\_\_

Factors of 17 : \_\_\_\_\_

Factors of 21 : \_\_\_\_\_

Factors of 10 : \_\_\_\_\_

Factors of 4 : \_\_\_\_\_

Factors of 13 : \_\_\_\_\_

Factors of 23 : \_\_\_\_\_

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**Question: C6MDT4C**

31 is the sum of three consecutive prime numbers. What are the three prime numbers?

**Answer:**

(The LCM of 20, 40 and 60) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Adding first 3 prime numbers (2, 3, 5) :  $2 + 3 + 5 =$  \_\_\_\_\_

Adding next 3 prime numbers (3, 5, 7) : \_\_\_\_\_

Adding next 3 prime numbers : \_\_\_\_\_

Adding next 3 prime numbers : \_\_\_\_\_

31 is the sum of three consecutive prime numbers, they are \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

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