

# LaPIS Diagnostic Test Workbook - Mathematics

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Name : Kanishka S

Class : 7

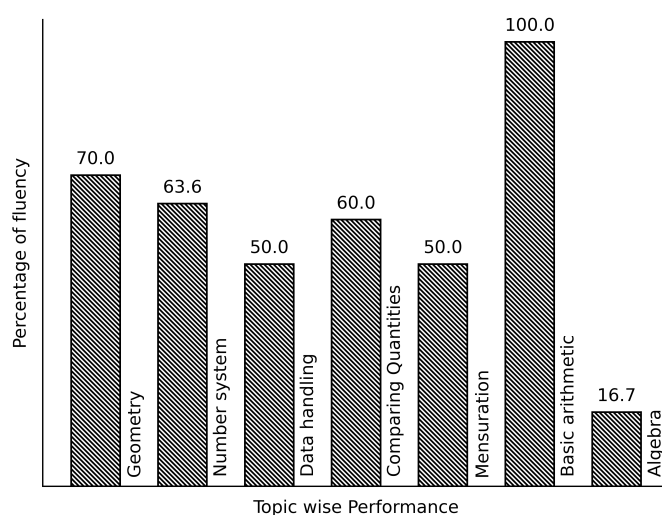
Section : A

School : AKV Public School

Login ID : AKV125

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## Kanishka S's Performance Report



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Score: 23/40

Percentage: 57.5%

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## Kanishka S's Study Planner

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Date	Topics Planned	Q. Numbers	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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# Mensuration

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Topics to be Improved	
<b>Perimeter</b>	Perimeter of triangle

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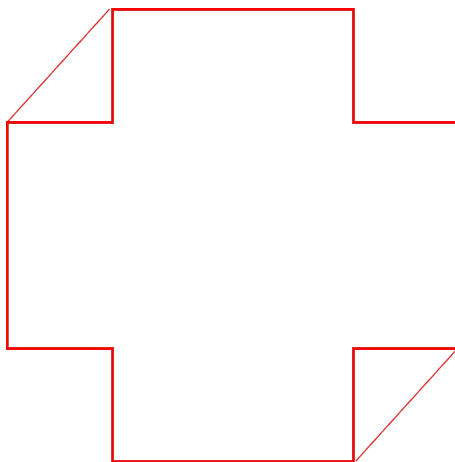
Hi, here in this video you will learn **Perimeter**

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**Question: 1** .....

Highlight the perimeter in the given image.

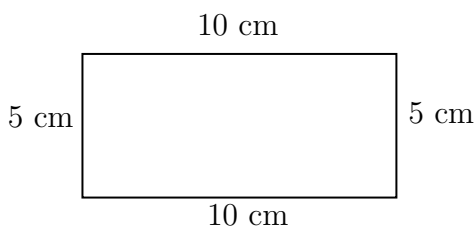


**Answer:**

Perimeter is the \_\_\_\_\_ ( outer / inner) boundary of the shape

**Question: 2** .....

Find the perimeter of the given figure.



**Answer:**

Sides of the given shape = \_\_\_\_\_.

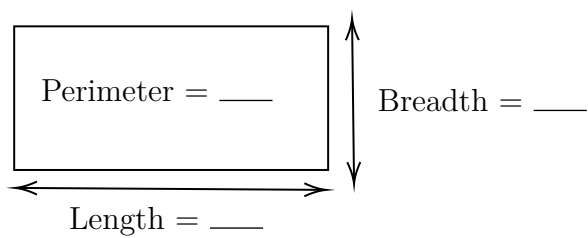
Perimeter of a shape is \_\_\_\_\_ ( sum / difference) of \_\_\_\_\_ (all/ opposite) sides.

Perimeter of the given shape = \_\_\_\_\_

**Question: 3** .....

Find the length of the rectangular floor if its perimeter is 60 ft and breadth is 3 ft.

**Answer:**



Shape of the floor is \_\_\_\_\_ and its perimeter formula is \_\_\_\_\_.  
Given:

floor perimeter = \_\_\_\_\_, and breadth = \_\_\_\_\_.  
Perimeter of the floor =  $2(\text{_____} + \text{_____})$ .

Therefore, length of the rectangular floor is \_\_\_\_\_.

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## Data handling

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Topics to be Improved	
Arithmetic mean, mode and median	Mean, Median and Mode
Range	Finding the range

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Hi, here in this video you will learn **Mean, Median, Mode**

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**Question: 4** .....

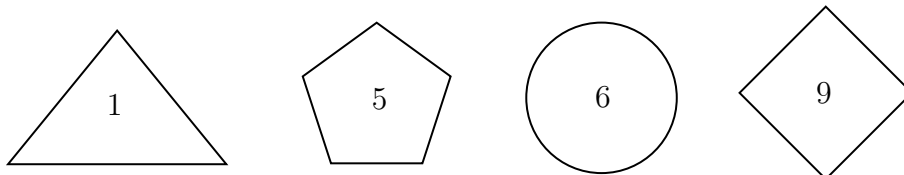
Find the mode of the following data: 5, 15, 23, 5, 32, 44, 72, 55, 6, 3, 5, 65, 45, 67, 24, 19 and 98.

**Answer:**

Mode is the number that occurs \_\_\_\_\_ (frequently / rarely) in a given list of observations.  
Arranging the data in ascending order: \_\_\_\_\_  
\_\_\_\_\_ occurs most number of times. Then, mode of the given data is \_\_\_\_\_

**Question: 5** .....

Which shape contains median of the given data 3, 5, 6, 2, 7, 9, 6, 4 and 1



**Answer:**

Median is the \_\_\_\_\_ (first/central/last) value of a data when the data is arranged in ascending or descending order.

Arrange the given data in ascending order : \_\_\_\_\_

Central value of the given data is \_\_\_\_\_ and it is the \_\_\_\_\_ of a data.

**Question: 6** .....

Marks scored	100	90	80	70
Number of students	4	5	2	1

Mean = \_\_\_\_\_ , Median = \_\_\_\_\_ and Mode = \_\_\_\_\_.

**Answer:**

Mean =  $\frac{\text{sum of all observation}}{\text{number of observation}}$ .

Here s sum of all observation = \_\_\_\_\_ , number of observation = \_\_\_\_\_

Therefore, mean = \_\_\_\_\_

Arrange the data in ascending order : \_\_\_\_\_

Here, median = \_\_\_\_\_ , mode = \_\_\_\_\_.

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Hi, here in this video you will learn **Range**

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**Question: 7** .....

Range of the data = \_\_\_\_\_ - \_\_\_\_\_

**Answer:**

The difference between highest value and lowest value is \_\_\_\_\_.

Example: Find the range of 10, 5, 30, 23, 54, 39 and 16

Highest value = \_\_\_\_\_ , Lowest value = \_\_\_\_\_ .

Range = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_.

**Question: 8** .....

Circle the correct range for the following data 31, -20, 35, -38, 29, 0, 43, -25, 51, 14, 9

$$-20 + 51$$

$$\frac{-38-51}{2}$$

$$51 + 38$$

$$\frac{51+20}{2}$$

**Answer:**

Range = \_\_\_\_\_ - \_\_\_\_\_.

Arranging the data in ascending order, \_\_\_\_\_

In the given data,

Highest value = \_\_\_\_\_ , Lowest value = \_\_\_\_\_ , Range = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

**Question: 9** .....

Find the range of first 10 multiple of 5.

**Answer:**

First 10 multiple of 5 = \_\_\_\_\_

Therefore,

Highest value = \_\_\_\_\_ , Lowest value = \_\_\_\_\_ , Range = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

# Geometry

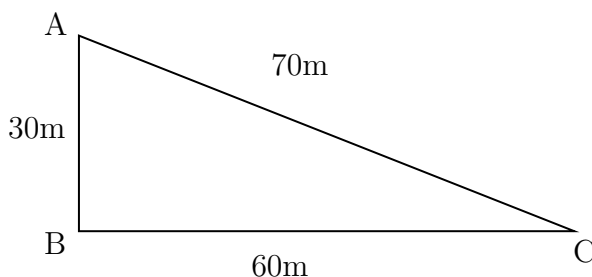
Topics to be Improved	
Sum of lengths of two sides of a triangle	Sum of two sides of a triangle
Right angle triangle and pythagoras property	Basics of Pythagoras property
Faces vertex and edges	Identification of faces, edges and vertices

Hi, here in this video you will learn **Sum of the length of sides of the triangle**



**Question: 10** .....

Find the greatest distance to reach C from A in the given diagram.



**Answer:**

The sides of the given triangle are \_\_\_\_\_.

The possible way to reach point C from point A are \_\_\_\_\_ and AB then to \_\_\_\_\_

Side AC = \_\_\_\_\_

Side AB + BC = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

Therefore, the greatest distance to reach C from A in the given diagram is \_\_\_\_\_.

**Question: 11** .....

\_\_\_\_\_ (Sum of / Difference between) the length of any two sides of a triangle is smaller than the length of the third side.

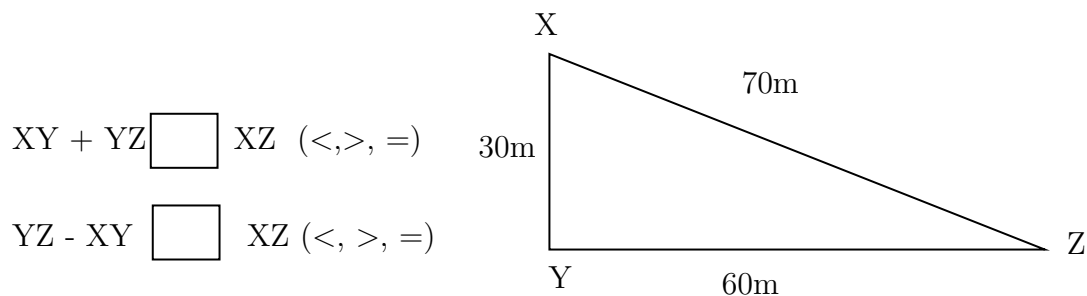
**Answer:**

There are \_\_\_\_\_ sides in a triangle.

The sum of the two sides of a triangle is \_\_\_\_\_ than the other side of the triangle.

The difference of the two sides of a triangle is \_\_\_\_\_ than the other side of the triangle.

Example: In triangle XYZ,



**Question: 12** .....

The lengths of two sides of a triangle are 7 cm and 10 cm. Between which two numbers can length of the third side fall?

**Answer:**

- The sum of the two sides of a triangle is \_\_\_\_\_ than the third side of the triangle.  
Therefore, the third side should be \_\_\_\_\_(less/ greater) than sum of other two sides.  
Here, sum of the two sides = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
Therefore, the length of the third side is less than \_\_\_\_\_
- The difference of the two sides of a triangle is \_\_\_\_\_ than the third side of the triangle.  
Therefore, the third side should be \_\_\_\_\_(less/ greater) than sum of other two sides.  
Here, difference of the two sides = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_  
Therefore, the length of the third side is greater than \_\_\_\_\_

Therefore, length of the third side is greater than \_\_\_\_\_ but less than \_\_\_\_\_.

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Hi, here in this video you will learn **Pythagoras property**

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**Question: 13** .....

In a right angled triangle, square of the \_\_\_\_\_ = sum of the squares of the legs.

**Answer:**

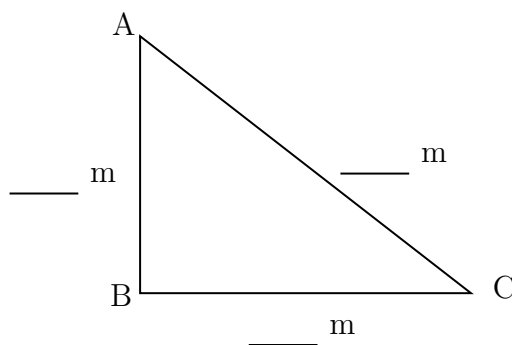
Pythagoras theorem is only applicable for \_\_\_\_\_ triangle.  
Longest side of the triangle is \_\_\_\_\_ (hypotenuse/ legs) and other two sides are called \_\_\_\_\_(hypotenuse/ legs).  
Pythagoras theorem states that \_\_\_\_\_.

**Question: 14** .....

Find the hypotenuse of the triangle ABC if base is 12 m and altitude is 5 m.

**Answer:**





Pythagoras theorem states that square of the \_\_\_\_\_ = sum of the squares of its \_\_\_\_\_.

*Given:* Base = \_\_\_\_\_, Altitude = \_\_\_\_\_,

Base and altitude are \_\_\_\_\_ (hypotenuse/ legs) of the triangle.

$$\text{By Pythagoras theorem, } (\text{_____})^2 = (\text{_____})^2 + (\text{_____})^2$$

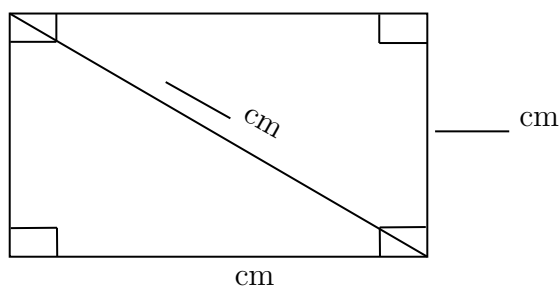
$$\text{_____} = \text{_____} + \text{_____}$$

Therefore, hypotenuse of the triangle is \_\_\_\_\_.

**Question: 15** .....

Find the length of the rectangle, if breadth is 3 cm and diagonal is 5 cm.

**Answer:**



Pythagoras theorem states that square on the \_\_\_\_\_ = sum of the squares on \_\_\_\_\_.

Is Pythagoras theorem applicable in rectangle? \_\_\_\_ ( yes/ no).

*Given:* breadth = \_\_\_\_\_, length of diagonal = \_\_\_\_\_

$$\text{By Pythagoras theorem, } (\text{_____})^2 = (\text{_____})^2 + (\text{_____})^2$$

$$\text{_____} = \text{_____} + \text{_____}$$

Therefore, diagonal of the rectangle is \_\_\_\_\_

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Hi, here in this video you will learn **Basics of 3D model**

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**Question: 16** .....

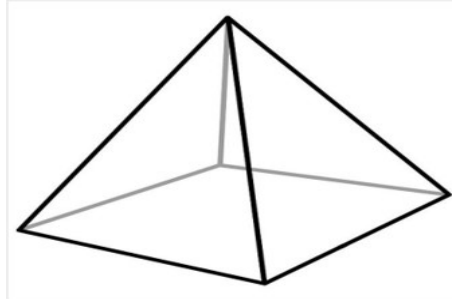
A point at which two or more lines segments meet is called \_\_\_\_\_(Vertex/ edges/ faces).

**Answer:**

\_\_\_\_\_ has two end point (line/line segment/ray).

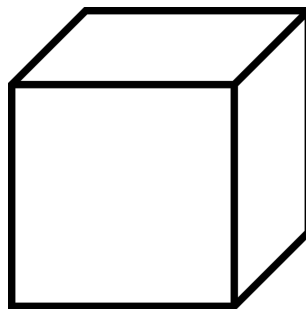
A \_\_\_\_\_ is a point where two or more line segments meet(Vertex/ edges/ faces).

Mark the vertices in the diagram,



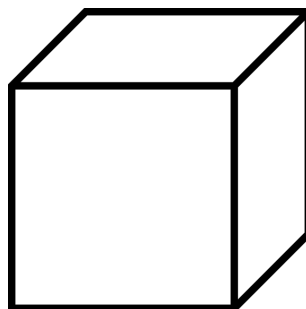
**Question: 17** .....

Mark and find the number of vertices, edges and faces in a cube.



**Answer:**

Mark the vertex, edges and faces in a cube.



Count the number of vertex, edges and faces in a cube.

Cube have \_\_\_\_\_ vertices, \_\_\_\_\_ edges and \_\_\_\_\_ faces.

**Question: 18** .....

How many vertices, edges and faces does dices have?



**Answer:**

The shape of dice is \_\_\_\_\_.

Dices have \_\_\_\_\_ vertices, \_\_\_\_\_ edges and \_\_\_\_\_ faces.

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## Number system

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Topics to be Improved	
Operations on rational numbers	Subtraction of rational numbers
Positive and negative rational numbers	Identification of positive rational numbers
Fractions	Division of fraction
Exponents	Solving exponents

Hi, here in this video you will learn **Operation on rational numbers**



**Question: 19** .....

Solve:  $\frac{-3}{3} + \frac{1}{3}$

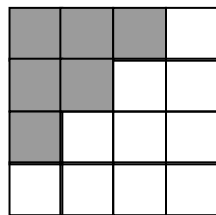
**Answer:**

Fractions with same denominators are called \_\_\_\_\_ (like/ unlike) fractions.  
Fraction can be added only if they are \_\_\_\_\_(like/ unlike) fractions.

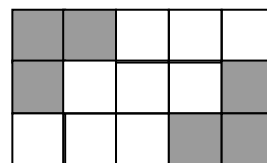
$$\frac{-3}{3} + \frac{1}{3} = \frac{-}{3} =$$

**Question: 20** .....

Find the addition of shaded part of box A and shaded part of box B.



A



B

**Answer:**

Total number of square in box A = \_\_\_\_\_.

Number of shaded square in box A = \_\_\_\_\_

Shaded part of box A in fraction = \_\_\_\_\_

Total number of square in box B = \_\_\_\_\_.

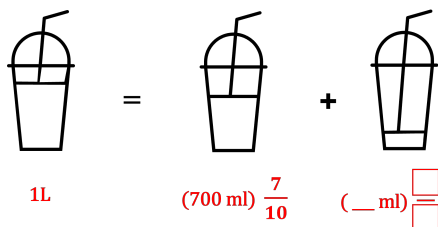
Number of shaded square in box B = \_\_\_\_\_.

Shaded part of box B in fraction = \_\_\_\_\_.

Shaded part of box A + Shaded part of box B = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

**Question: 21** .....

Find the missing values in the given figure.



**Answer:**

One litre = \_\_\_\_\_ ml

$\frac{7}{10}$  of one liter =  $\frac{7}{10} \times$  \_\_\_\_\_ ml = \_\_\_\_\_ ml

Given:  $1 = \frac{7}{10} +$  \_\_\_\_\_

Transposing  $\frac{7}{10}$  to other sides,  $1 - \frac{7}{10} =$  \_\_\_\_\_

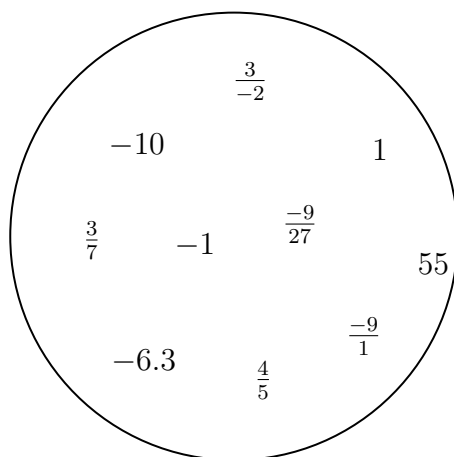
Therefore, result is \_\_\_\_\_.

Hi, here in this video you will learn **Positive and Negative rational numbers**



**Question: 22** .....

Segregate positive and negative rational number.



**Answer:**

- If both the numerator and the denominator of a rational number are \_\_\_\_\_ (positive/negative), then it is positive rational number.
- If either the numerator and the denominator of a rational number are negative, then it is \_\_\_\_\_ (positive/negative) rational number.

In the given circle, positive rational numbers are \_\_\_\_\_ and negative rational numbers are \_\_\_\_\_.

**Question: 23** .....

$\frac{-3}{-4}$  is a \_\_\_\_\_ (positive /negative / neither positive nor negative) rational number.

**Answer:**

-3 is a \_\_\_\_\_ number, -4 is a \_\_\_\_\_ number.

Division of  $\frac{-3}{-4} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$  and this \_\_\_\_\_ rational number.

(Positive / Negative / Neither positive nor negative rational number)

**Question: 24** .....

The product of a positive rational number and a negative rational number is \_\_\_\_\_ rational number. (Positive/ Negative/ neither positive nor negative)

**Answer:**

Examples for positive rational numbers: \_\_\_\_\_

Examples for negative rational numbers: \_\_\_\_\_

Positive rational number  $\times$  Negative rational number = \_\_\_\_\_  $\times$  \_\_\_\_\_ = \_\_\_\_\_ and this is \_\_\_\_\_ rational number

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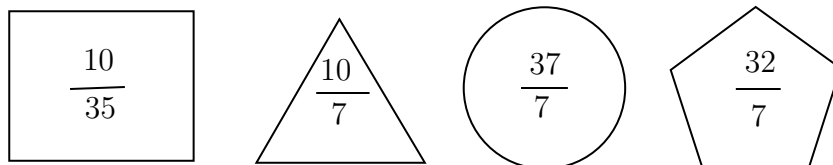
Hi, here in this video you will learn **Division on fractions**

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**Question: 25** .....

Find the shape which contains the improper fraction of  $5\frac{2}{7}$ .



**Answer:**

$5\frac{2}{7}$  is a \_\_\_\_\_ (proper/mixed) fraction.

Here, 5 is \_\_\_\_\_, 2 is \_\_\_\_\_ and 7 is \_\_\_\_\_.

To convert mixed fraction into improper fraction,  $\frac{(\text{Whole} \times \text{Denominator}) + \text{Numerator}}{\text{Denominator}}$

$$5 \frac{2}{7} = \frac{(\text{---} \times \text{---}) + \text{---}}{7} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

**Question: 26** .....

Solve:  $\frac{1}{3} \div \frac{14}{3}$

**Answer:**

To divide a fraction by another fraction, multiply the dividend by \_\_\_\_\_ ( same / reciprocal) of the divisor. Here, dividend = \_\_\_\_\_ and divisor = \_\_\_\_\_.

$$\frac{1}{3} \div \frac{14}{3} = \frac{1}{3} \times \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

**Question: 27** .....

Find the half of the fraction  $\frac{12}{40}$ .

**Answer:**

To find half of a number, divide the number by \_\_\_\_\_

$$\frac{12}{40} \div \text{---} = \frac{12}{40} \times \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

Then the answer is \_\_\_\_\_

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Hi, here in this video you will learn **Exponents and power**

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**Question: 28** .....

Find the exponential form of 1000.

**Answer:**

\_\_\_\_\_ (Exponents/Base) tells us how many times a number should be multiplied by itself to get the desired result.

Exponents is also called as \_\_\_\_\_ (Base / Power).

1000 can be written as =  $10 \times \text{---} \times \text{---}$   
 10 is raised to the power of \_\_\_\_ =  $(10)\text{---}$

**Question: 29** .....

Find the value of  $(-2)^3$ .

**Answer:**

\_\_\_\_\_ (Exponents/Base) tells us how many times a number should be multiplied by itself to get the desired result.

In this exponential form  $(-2)^3$ , base = \_\_\_\_, power = \_\_\_\_.  
 $(-2)^3 = \_\_\_ \times \_\_\_ \times \_\_\_ = \_\_\_.$

**Question: 30** .....

(i) Tenth power of 100 is \_\_\_\_ ( $(10)^{100}$  or  $(100)^{10}$ ).

(ii)  $k$  is raised to the power of 5 is \_\_\_\_ ( $(k)^5$  or  $(5)^k$ ).

**Answer:**

Exponential form = (Base)——

(i) Tenth power of 100 : Base = \_\_\_\_, Power/Exponents = \_\_\_\_, exponential form = \_\_\_\_.

(ii)  $k$  is raised to the power of 5 : Base = \_\_\_\_, Power/Exponent = \_\_\_\_,  
exponential form = \_\_\_\_.



# Comparing Quantities

Topics to be Improved	
Equivalent ratios	Basic of proportion
Percentage	Basic of percentage

Hi, here in this video you will learn **Basics of proportion**



**Question: 31** .....

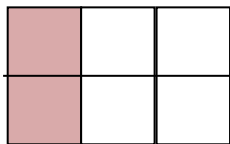
If  $a:b$  and  $c:d$  are equivalent ratio, then it can be expressed as \_\_\_\_\_

**Answer:**

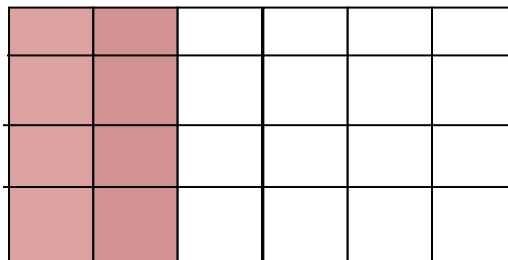
A \_\_\_\_\_ (proportion / ratio) is used to express \_\_\_\_\_ ( one/two) equivalent ratios.  
Standard form to express proportion is \_\_\_\_\_.

**Question: 32** .....

Find the ratio of shaded part to unshaded part of A and B. Are the two ratios equivalent ?



A



B

**Answer:**

Shaded part of A = \_\_\_\_\_, Unshaded part of A = \_\_\_\_\_.  
Ratio of shaded to unshaded parts of A is \_\_\_\_\_. Fractional form = \_\_\_\_\_.  
Shaded part of B = \_\_\_\_\_ ,  
Unshaded part of B = \_\_\_\_\_.  
Ratio of shaded to unshaded parts of B is \_\_\_\_\_.  
Fractional form = \_\_\_\_\_.  
Fraction form of A \_\_\_\_\_ ( equal/ not equal) to Fraction form of B.

**Question: 33** .....

If  $a : b :: c : d$  is proportion, shade the correct expression

$a = \frac{bc}{d}$

$c = \frac{ad}{b}$

$ad = cd$

**Answer:**

Two equivalent ratio which are proportion, it can be written as  $a : b :: c : d$   
 or \_\_\_\_\_ = \_\_\_\_\_ (in fraction) .

First and fourth term are called \_\_\_\_\_ and second and third term are called \_\_\_\_\_.

In proportion, product of extreme terms is \_\_\_\_\_ ( equal to/ not equal to) product of middle terms.

Therefore,  $a \times d =$  \_\_\_\_\_,

then  $a =$  \_\_\_\_\_ and  $c =$  \_\_\_\_\_

Hi, here in this video you will learn **Basics of percentage**



**Question: 34** .....

2% can be written as

**Answer:**

Percentages are numerators of fractions with denominator \_\_\_\_\_

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

**Question: 35** .....

Arun attended the LaPIS test for 100 marks and got 75% marks. What is the mark scored by Arun?

**Answer:**

Arun attended LaPIS test for \_\_\_\_\_ marks. He got \_\_\_\_\_ marks.

75 % can be written in fraction form  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

Then the mark scored by Arun = Total mark  $\times$  75% = \_\_\_\_\_  $\times \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} =$  \_\_\_\_\_

**Question: 36** .....

There are 25 apples in a basket in which 10 of them are rotten. Find the percentage of rotten apples.

**Answer:**

There are \_\_\_\_\_ apples in a basket.

Number of rotten apples are \_\_\_\_\_ .

Fraction form of rotten apples in a basket =  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

Convert it into a percent = \_\_\_\_\_ x \_\_\_\_\_% = \_\_\_\_\_

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# Algebra

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Topics to be Improved	
subtraction of algebraic expressions	subtraction of algebraic expressions
Basics of simple equation	Formating of simple equation
Monomials, binomials, trinomials and polynomials	Types of algebraic expression
Addition and subtraction of algebraic expressions	Like terms and Unlike terms
Terms of an expression	Identification of terms in an expression

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Hi, here in this video you will learn **Subtraction on expression**

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**Question: 37** .....

Find the sum of two expressions  $a + b + c$  and  $b + c + d$

**Answer:**

The given two expressions are \_\_\_\_\_ and \_\_\_\_\_.

The two terms will get added only if they are \_\_\_\_\_( Like/ Unlike) terms.

The sum of two expressions = \_\_\_\_\_ + \_\_\_\_\_.

The answer is \_\_\_\_\_

**Question: 38** .....

	School A	School B
Number of boys	$100b$	$250b$
Number of girls	$150g$	$200g$
Number of teachers	$25t$	$45t$

(i) Total number of boys in school A and B is \_\_\_\_\_

(ii) Total number of students in school B is \_\_\_\_\_

(iii) How many more teachers are there in school B than school A ? \_\_\_\_\_

**Answer:**

(i) Number of boys in school A = \_\_\_\_\_,  
Number of boys in school B = \_\_\_\_\_.  
Total number of boys in school A and school B is \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

(ii) Number of boys in school B = \_\_\_\_\_,  
Number of girls in school B = \_\_\_\_\_.  
Total number of students in school B is \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_.

(iii) Number of teachers more in school B than school A = Teachers in school B – Teachers in school A = \_\_\_\_\_.

**Question: 39** .....

Solve the following:

$$\begin{array}{r} 13x + \_\_\_\_\_\_ \\ (+) 12x + 10y \\ \hline \_\_\_\_\_\_ + 25y \\ \hline \end{array}$$

$$\begin{array}{r} 3a - 5b \\ (-) 5a - 7b \\ \hline -2a - \_\_\_\_\_\_ \\ \hline \end{array}$$

**Answer:**

The two terms will get added only if they are \_\_\_\_\_ (like/unlike) terms.

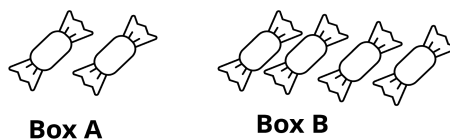
$$\begin{array}{r} 13x + \_\_\_\_\_\_ \\ (+) 12x + 10y \\ \hline \_\_\_\_\_\_ + 25y \\ \hline \end{array}$$

$$\begin{array}{r} 3a - 5b \\ (-) 5a - 7b \\ \hline -2a - \_\_\_\_\_\_ \\ \hline \end{array}$$

Hi, here in this video you will learn **Solving an equation using application**



**Question: 40** .....



Box B contains \_\_\_\_\_ times the number of chocolates in Box A

**Answer:**

Box A contains \_\_\_\_\_ chocolates.

Box B contains \_\_\_\_\_ chocolates.

No. of chocolates in Box B = \_\_\_\_\_ × (No. of chocolates in Box A)

**Question: 41** .....

Write the equation for the following statement.

Subtracting four times of  $m$  from 4 is  $n$

**Answer:**

Four times of  $m$  = \_\_\_\_\_

Subtracting four times of  $m$  from 4 = \_\_\_\_\_

The equation is \_\_\_\_\_

**Question: 42** .....

Compare the given two statements ( $<$ ,  $>$ ,  $=$ )

Sum of  $2a$  and 9 ☐ Add 9 to the product of  $a$  and 2

**Answer:**

Sum of  $2a$  and 9 = \_\_\_\_\_

Product of  $a$  and 2 = \_\_\_\_\_

Add 9 to the product of  $a$  and 2 = \_\_\_\_\_

Therefore, sum of  $2a$  and 9 ☐ Add 9 to the product of  $a$  and 2

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Hi, here in this video you will learn **Types of expression**

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**Question: 43** .....

There are \_\_\_\_\_ terms in the expression  $7x + 3y + m + 5$ .

**Answer:**

In algebraic expression, \_\_\_\_\_ (variables/ terms) are connected together with operations of addition.

The terms in the expression are \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , and \_\_\_\_\_ .

Therefore, there are \_\_\_\_\_ terms in the expression.

**Question: 44** .....

Classify the following expression into monomial, binomial and polynomial.

1.  $7m + n + 2$

2.  $8x^2 + 0$

3.  $7xy + 4m$

**Answer:**



- (i) Total chocolates Ram and Sam have : \_\_\_\_\_.
- (ii) How many icecreams Sam have more than Ram : \_\_\_\_\_ .

**Answer:**

	Chocolates	Icecream
Sam		
Ram		

- (i) Total chocolates Ram and Sam have :  
Ram’s chocolate + Sam’s chocolates = \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_
- (ii) How many icecreams Sam have more than Ram :  
\_\_\_\_\_ icecream - \_\_\_\_\_ icecream = \_\_\_\_\_ - \_\_\_\_\_ = \_\_\_\_\_

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Hi, here in this video you will learn **Terms of an expression**

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**Question: 49** .....

Separate the variables and constants for all the terms given in the box

18

16r

54c<sup>4</sup>

−4mn

4

0

z<sup>2</sup>

ab

4x

12

x

**Answer:**

In algebraic expression, variables are represented by \_\_\_\_\_ and Constant is a \_\_\_\_\_.

Terms	Constants	Variables

**Question: 50** .....

Mark the expression that contains two terms.  
3x + 5    12a    4xy    12a + b + 1    7m + 0

**Answer:**



The terms in the expression  $3x + 5$  is/are \_\_\_\_\_.

The terms in the expression  $12a$  is/are \_\_\_\_\_.

The terms in the expression  $4xy$  is/are \_\_\_\_\_.

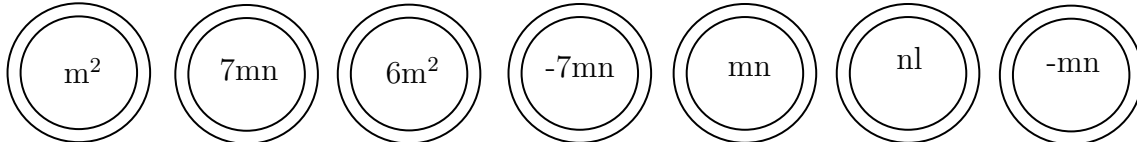
The terms in the expression  $12a + b + 1$  is/are \_\_\_\_\_.

The terms in the expression  $7m + 0$  is/are \_\_\_\_\_.

**Question: 51** .....

Shade the outline of circle that contains the term of the given expression.

$$6m^2 - 7mn + nl$$



**Answer:**

In algebraic expression, \_\_\_\_\_ (variables/ terms) are connected together with operations of addition.

Here, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ are the terms of the given expression.