LaPIS Diagnostic Test Workbook - Mathematics

Name	:	**Rithik K V**
Class	:	**7**
Section	:	**A**
School	:	**AKV Public School**
Login ID	:	**AKV112**

Rithik K V's Performance Report

Topic wise Performance bar chart (Percentage of fluency):
- Algebra: 33.3
- Comparing Quantities: 80.0
- Mensuration: 100.0
- Geometry: 60.0
- Basic arithmetic: 50.0
- Data handling: 0.0
- Number system: 54.5
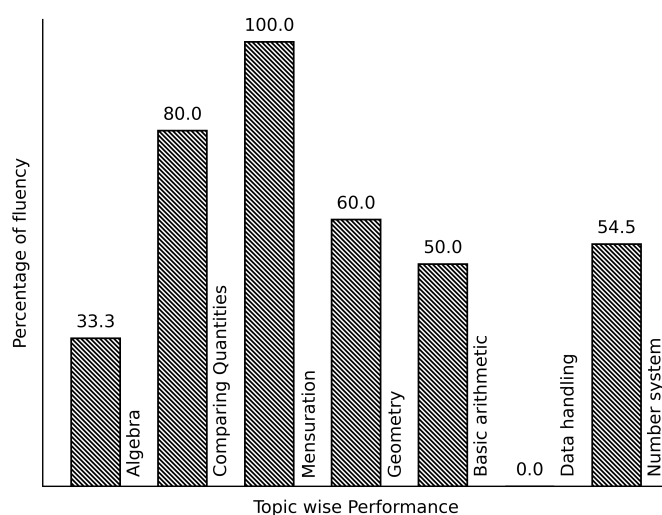
Score: 21/40   **Percentage: 52.5%**

Rithik K V's Study Planner

Date	Topics Planned	Q. Numbers	Teacher Remark	Teacher Sign	Parent Sign

Teacher's Feedback to Student

_____
Class Teacher Signature

_____
Principal Signature

Basic arithmetic

Topics to be Improved	
Types of angles	Identification of types of angles

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

Question: 1 ....
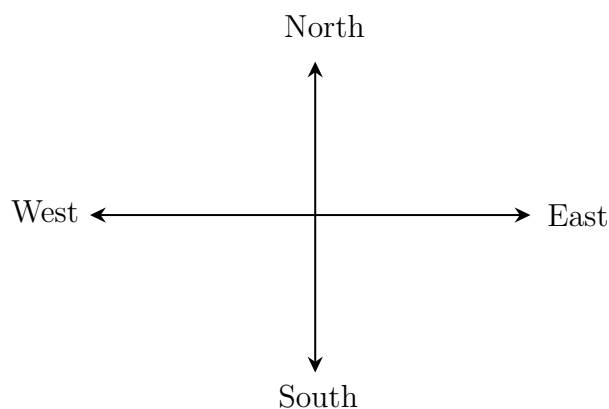
Find the angles.

$0°$

Answer:

The angle ranges from ___° to ___°.
The angle perpendicular to 0° is ___°.
The straight line measures ___°.

Question: 2 ....

North

West ←→ East

South

The angle formed between the directions

(i) West and East is _____ angle.

   (ii) North and East is _____ angle.

  (iii) East and South is _____ angle.

Answer:

The angle formed between West and East is ___° and it is called _____ angle.
The angle formed between North and East is ___° and it is called _____ angle.
The angle formed between East and South is ___° and it is called _____ angle.

Question: 3 ....

The addition of straight angle and right angle is _____ angle.

Answer:

The measurement of straight angle is _____°
The measurement of right angle is _____°.
Straight angle + Right angle = _____ + _____ = _____
It is called as _____ angle.

Data handling

Topics to be Improved	
Chance of probability	Basis of probability, Sample space in probability
Range	Finding the range
Arithmetic mean, mode and median	Mean, Median and Mode

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

Question: 4 ....

Identify the sure events and impossible events

(i) The sun rises in the west.

(ii) Water is colourless.

(iii) Clock rotates in clock wise direction.

(iv) Ball is square in shape.

Answer:

Events that always occur are called _____ (sure/ impossible) events.
Events that cannot occur are called _____ (sure/ impossible) events.
Here, The sun rises in the west is _____ event. Water is colourless is _____
event.
Clock rotates in clock wise direction is _____ event. Ball is square in shape is _____
event.

Question: 5 ....

Probability of sure events is _____ (greater / smaller) than probability of impossible events.

Answer:

Probability of sure event = _____(0/ 1/ any number).
Probability of impossible event = _____ (0/ 1/ any number).
Therefore, Probability of sure event _____ Probability of impossible event.

Question: 6 ....

Raju has pencil, an eraser, a scale, sharpener, colour pencil and protractor in his box. What is the
probability of getting a pen from his box.

Answer:

Things Raju have _____
Does Raju have pen in his box,_____ (Yes/ No).
Then probability of getting pen from his box is _____ (0/1)

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

Question: 7 ....

Which of the following contains list of all possible outcomes.

| Probability | Sample space | Sure events | Impossible events |

Answer:

Probability is the measure of _____ (chance /number) of an events happenings.
Sample space consists of _____ (possible/ impossible) outcomes.
Sure events always _____ (occurs/don't occurs).
Impossible events _____ (occurs/ don't occurs).
Therefore, _____ contains list of possible outcomes.

Question: 8 ....

Write the possible outcomes while spinning the given wheel.
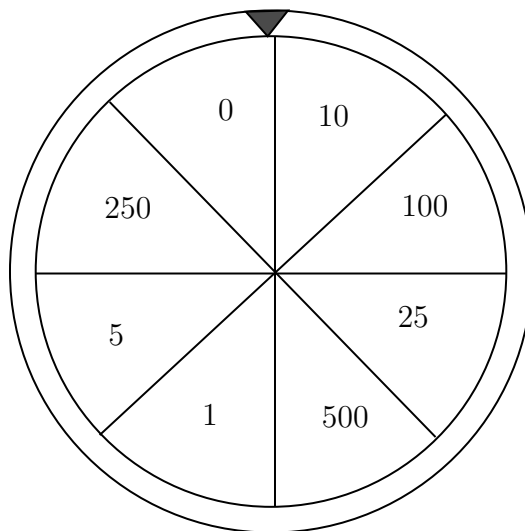
Answer:

Outcomes are _____ (possible/impossible) results of an experiment.
The possible outcomes while spinning wheel are ₹0, ₹10, _____

Question: 9 ....

A bag contains three balss of colour blue, green and red. Write the possible outcomes if two balls are taken out.

Answer:

A bag contains _____, _____ and _____ balls.
If one of the ball is blue in colour, then other ball can be _____ or _____
If one of the ball is green in colour, then other ball can be _____ or _____.
If one of the ball is red in colour, then other ball can be _____ or _____.
Therefore, if two balls are taken out then possible outcomes are blue + _____ ,
_____ + _____, _____ + _____,

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

Question: 10 ....

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: 11 ....

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

$$-20 + 51 \qquad \frac{-38-51}{2} \qquad 51 + 38 \qquad \frac{51+20}{2}$$

Answer:

Range = _____ - _____.
Arranging the data in ascending order, _____
In the given data,
Highest value = ____ , Lowest value = ____ , Range = _____ − _____ = _____

Question: 12 ....

Find the range of first 10 multiple of 5.

Answer:

First 10 multiple of 5 = _____
Therefore,
Highest value = _____ , Lowest value = _____ , Range = _____ − _____ = _____

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

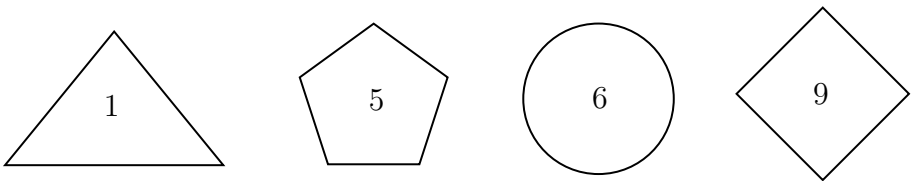## Question: 13 ....

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: 14 ....

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: 15 ....

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

Mean = _____ , Median = _____ and Mode = _____.

Answer:

Mean = $\dfrac{\text{_____ of all observation}}{\text{number of observation}}$.

Here s sum of all observation = _____ , number of observation = _____
Therefore, mean = _____
Arrange the data in ascending order : _____
Here, median = _____ , mode = _____.

Geometry

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

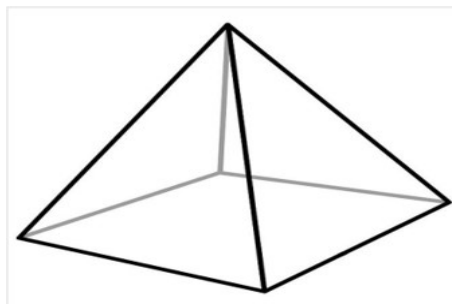Hi, here in this video you will learn **Basics of 3D model**

Question: 16 . . . .

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

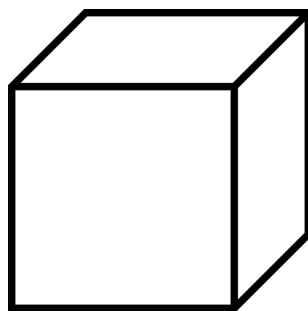### *Answer:*

_____ 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,

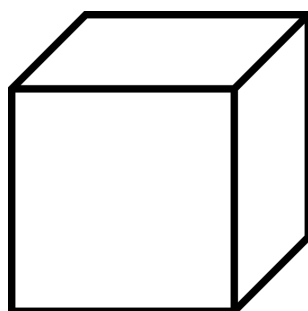*Question: 17* . . . .

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

<u>*Answer:*</u>

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.

<u>*Question: 18*</u> . . . .

How many vertices, edges and faces does dices have?

<u>*Answer:*</u>

The shape of dice is _____.
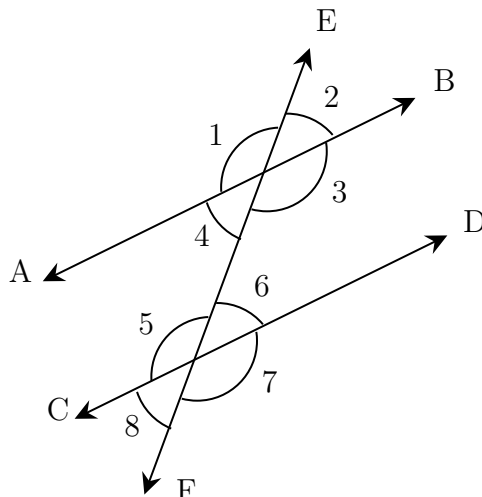
Dices have _____ vertices, _____ edges and _____ faces.

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

<u>*Question: 19*</u> . . . .

In given diagram, ∠ 1 and ∠ 7 are _____ (alternate / corresponding) angles.

Answer:

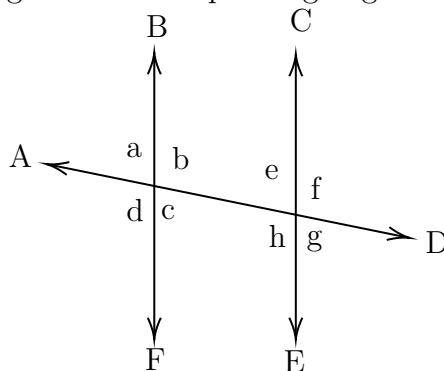A line that intersects two or more lines at distinct points is called a _____ (transversal/ Intersecting line).

Angle that lies on different vertices and on the opposite sides of transversal is _____ angles.

Angle that lies on different vertices and on the same sides of transversal is _____ angles.

Therefore, ∠1 and ∠7 are _____

Question: 20 . . . .

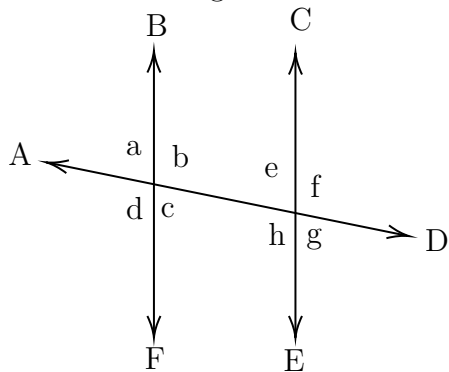Find the transversal, alternate angles and corresponding angles in a given diagram.

Answer:

A line that intersects two or more lines at distinct points is called a _____ (transversal/ Intersecting line).

In a given diagram, _____ is a transversal line. (BF/AD/CE)

Alternate angles	Corresponding angles
∠a and ∠g , ∠b and ∠h,	∠a and ∠e, ∠b and ∠f,

Question: 21 . . . .

Find ∠e and ∠g if ∠a = 30°.

Answer:

When parallel lines cut by a transversal,

   (i) Alternate angles are _____ (equal / not equal).

  (ii) Corresponding angles are _____ (equal / not equal).

Here, alternate angle of ∠a is _____ and its value is _____.
Corresponding angle of ∠a is _____ and its value is _____.

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

Question: 22 . . . .

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

Answer:

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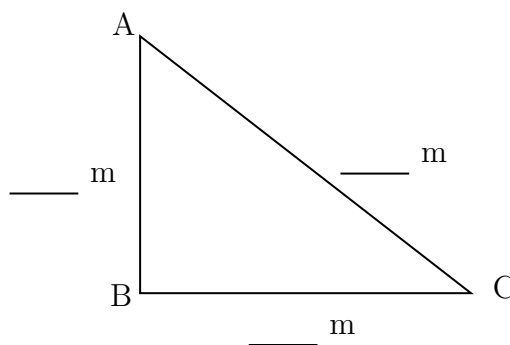Longest side of the triangle is _____ (hypotenuse/ legs) and other two sides are called
_____(hypotenuse/ legs).
Pythagoras theorem states that _____.

Question: 23 . . . .

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

Answer:

A

_____ m

_____ m

B _____ m C

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

Given: Base = _____, Altitude = _____,

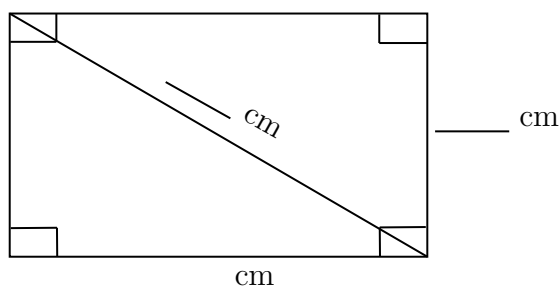Base and altitude are _____ (hypotenuse/ legs) of the triangle.

By Pythagoras theorem, (_____)^2 = (_____)^2 + (_____)^2

_____ = _____ + _____

Therefore, hypotenuse of the triangle is _____.

Question: 24 . . . .

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

Answer:

_____ cm

_____ cm

_____ cm

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 = _____

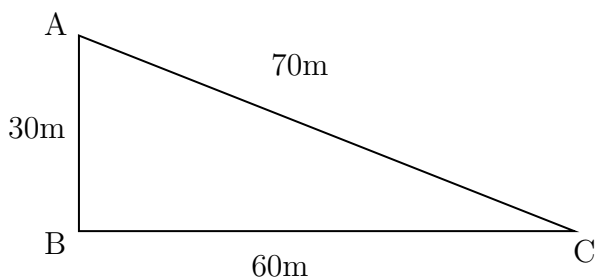By Pythagoras theorem, (_____)^2 = (_____)^2 + (_____)^2

_____ = _____ + _____

Therefore, diagonal of the rectangle is _____

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

Question: 25 . . . .

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: 26
....

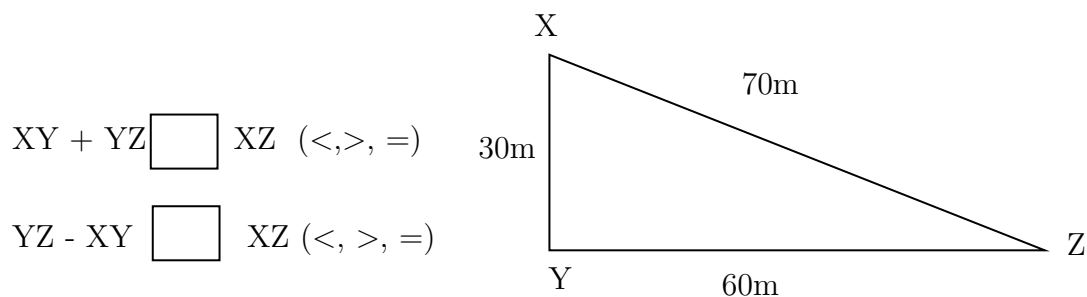_____ (Sum of / Difference between) the length of any two sides of a triangle is smaller than the length of the third side.

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,

XY + YZ ☐ XZ (<,>, =)

YZ - XY ☐ XZ (<, >, =)

Question: 27
....

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:

1. 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 _____

2. 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 _____.

Number system

Topics to be Improved	
Introduction to rational numbers	Basics of rational numbers
Positive and negative rational numbers	Identification of positive rational numbers
Integers	Basics of integers
Fractions	Division of fraction, Multiplication of fractions

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

Question: 28 ....

The numbers in the diagram represents_____.
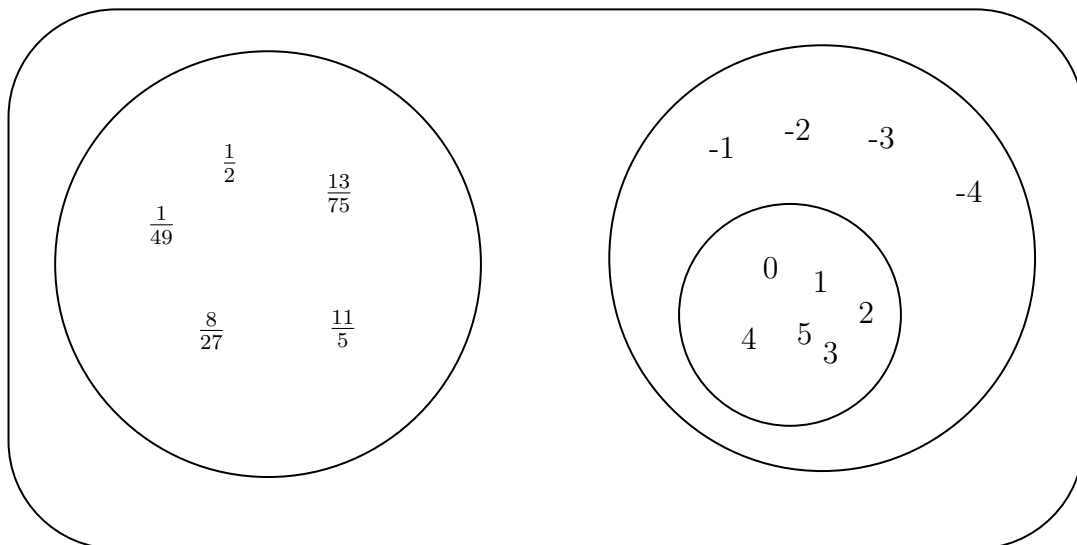
Answer:

0, 4,5,2,3,1 are _____ numbers.

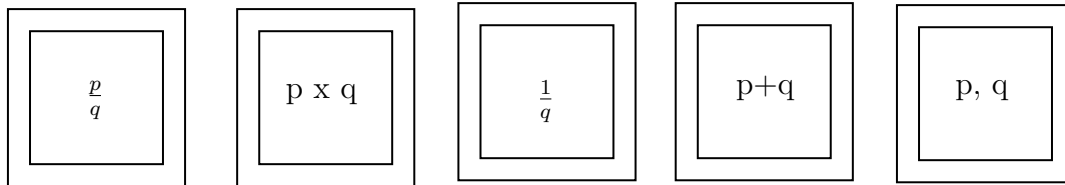-1,-2, -3, -4 are _____ numbers.

The combination of these circles are called _____.

$\frac{1}{49}, \frac{1}{2}, \frac{8}{27}, \frac{11}{5}, \frac{13}{75}$ are _____.

Combination of all three circles are called as _____ numbers.

Question: 29 ....

Shade the correct form of rational numbers.

$\dfrac{p}{q}$	p x q	$\dfrac{1}{q}$	p+q	p, q

Answer:

Rational number can be expressed as _____, where both numerator and denominator are _____ (integer/ not a integer),

denominator is equal to _____(zero/ one/ any integer other than zero).

Question: 30 . . . .

Circle the number which is not a rational number.

$\dfrac{-5}{-8}$ $\dfrac{-3}{2}$ $\dfrac{12}{-6}$ $\dfrac{0}{-9}$ 256 $\dfrac{4}{0}$

Answer:

Rational number can be expressed as _____, where both numerator and denominator are _____(integer/ not a integer),denominator is equal to _____ (zero/ one/ any integer other than zero).

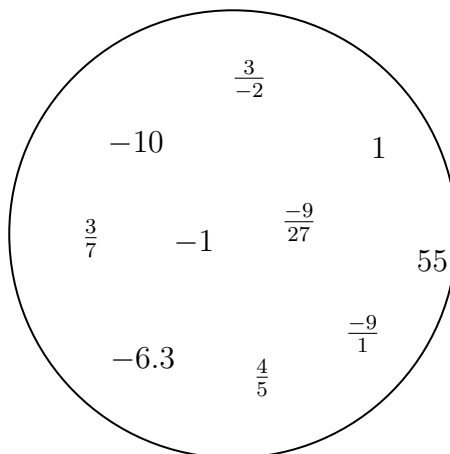Here, _____ is/are rational number and _____ is/are not a rational number.

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

Question: 31 . . . .

Segregate positive and negative rational number.

$$\dfrac{3}{-2}$$

-10 $\qquad$ 1

$\dfrac{3}{7}$ $\quad -1 \quad$ $\dfrac{-9}{27}$ $\qquad$ 55

-6.3 $\qquad$ $\dfrac{-9}{1}$

$\dfrac{4}{5}$

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: 32 ....

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

Answer:

-3 is a _____ number, -4 is a _____ number.

Division of $\dfrac{-3}{-4} = \dfrac{\square}{\square}$ and this _____ rational number.

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

Question: 33 ....

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: _____
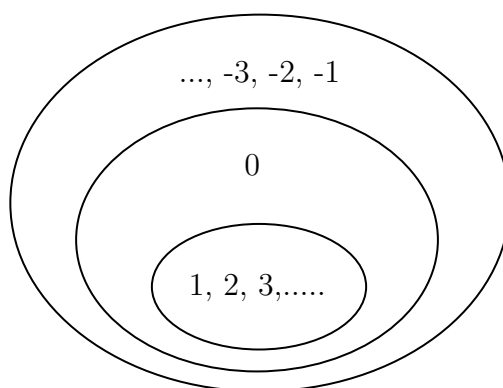Examples for negative rational numbers: _____
Positive rational number × Negative rational number = _____ × _____ = _____ and this is _____ rational number

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

Question: 34 ....

Highlight the ring that contains whole numbers.

Answer:

The numbers inside the inner ring (1, 2, 3,....) are _____ numbers.
The numbers inside the middle ring are _____ numbers.
The numbers inside the outer ring are negative numbers, positive numbers and zero and they are called as _____.

Question: 35 ....

Colour the frame of the box which contains the number 1, 4 and -10

| Whole numbers | Negative numbers | Integers | Naturals numbers |

Answer:

Whole number consists of 0,1,2,3,4,..... Negative number consists of ＿＿＿＿＿.
Natural numbers consists of ＿＿＿＿＿. Integers consists of ＿＿＿＿＿.
Now, 1, 4, -10 are in ＿＿＿＿＿.

Question: 36

State whether the statement is true or false.
    Every positive number is an integer.

Answer:

Positive numbers are ＿＿＿＿＿. Integers consists of ＿＿＿＿＿.
Therefore, positive numbers are ＿＿＿ (in/not in) integers.

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

Question: 37

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

$$\frac{10}{35} \qquad \frac{10}{7} \qquad \frac{37}{7} \qquad \frac{32}{7}$$

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, $\frac{(\text{ Whole} \times \underline{\hspace{2cm}})+\text{N}umerator}{\text{D}enominator}$

$$5\,\frac{2}{7} \;=\; \frac{(\underline{\quad} \times \underline{\quad}) + \underline{\hspace{1.5cm}}}{7} \;=\; \frac{\square}{\square}$$

Question: 38

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 = _____.

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

Question: 39

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

Answer:

To find half of a number, divide the number by _____

$$\frac{12}{40} \div \text{\_\_\_\_} = \frac{12}{40} \times \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

Then the answer is _____

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

Question: 40

Fill the boxes

$$2 + 4 + \frac{6}{2} = \frac{2}{\boxed{}} + \frac{4}{\boxed{}} + \frac{3}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = 9$$

Answer:

The whole number can be expressed in fraction with denominator equal to _____ (zero/one).
Therefore, 2 can be written as _____ in fraction.
4 can be written as _____ in fraction.

$$2 + 4 + \frac{6}{2} = \frac{2}{1} + \frac{4}{\boxed{}} + \text{\_\_\_} = \frac{2}{1} + \frac{4}{\boxed{}} + \frac{3}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = 9$$

Question: 41

There are 400 students in a school. Find the number of girls, if three sixteenth of the students are girls.

Answer:

Total number of students = _____
Fraction of students who are girls = _____

Number of girls = $\dfrac{\square}{\square}$ × _____ = _____

Question: 42 . . . .

Solve : $2\frac{7}{4} \times \frac{2}{3}$

Answer:

$2\frac{7}{4}$ is a _____ (proper / mixed) fraction.
Here, 2 is _____, 7 is _____ and 4 is _____.

To convert mixed fraction into improper fraction, $\dfrac{(\text{ Whole} \times \underline{\hspace{2cm}})+\text{N}umerator}{\text{D}enominator}$
Improper fraction of $2\frac{7}{4}$ = _____

$$2\ \frac{7}{4}\ \times\ \frac{2}{3}\ =\ \frac{\square}{\square}\ \times\ \frac{2}{3} = \frac{\square}{\square}$$

Comparing Quantities

Topics to be Improved	
Percentage	Basic of percentage

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

Question: 43 ....

2% can be written as

Answer:

Percentages are numerators of fractions with denominator

$$2\% = \frac{\Box}{\Box}$$

Question: 44 ....

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 $\dfrac{\Box}{\Box}$

Then the mark scored by Arun = Total mark × 75% = _____ × $\dfrac{\Box}{\Box}$ = _____

Question: 45 ....

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 $= \dfrac{\boxed{}}{\boxed{}}$

Convert it into a percent= _____ x _____% = _____

Algebra

Topics to be Improved	
Monomials, binomials, trinomials and polynomials	Types of algebraic expression
Addition and subtraction of algebraic expressions	Like terms and Unlike terms
subtraction of algebraic expressions	subtraction of algebraic expressions
Basics of simple equation	Solving of simple equation

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

Question: 46 . . . .

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: 47 . . . .

Classify the following expression into monomial, binomial and polynomial.

1. $7m + n + 2$

2. $8x^2 + 0$

3. $7xy + 4m$

Answer:

1. The terms in expression $8x^2 + 0$ are _____.
   Here, expression has _____ term and it is a _____

2. The terms in expression $7xy + 4m$ are _____.
   Here, expression has _____ term and it is a _____.

3. The terms in expression $7m + n + 2$ are _____.
   Here, expression has ____ term and it is a _____.

Question: 48 ....

$5m^2 + m + 0$ is a _____ expression. (Monomial/ Binomial/ Trinomial)

Answer:

The terms in expression $5m^2 + m + 0$ are _____.
Here, the expression has _____ terms and it is called a _____ expression.

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

Question: 49 ....

Shade the like terms.

Answer:

Given terms are _____.
Two or more term have _____ (same/ different) variables is called like terms.
Here, like terms are _____.

Question: 50 ....

Complete the expression $7r^2 +$ r $\Box$ $-$ $2\,\Box$ $= \underline{}r^2$

Answer:

_____ (Like / Unlike) terms can be added or subtracted.

$$7r^2 + r\,\Box\; -\; 2\,\Box\;\; = \left(7\; +\underline{}\; -\; 2 \right) r^2 = \underline{}$$

Question: 51 ....

Sam have 3a chocolates and 9y icecream. Ram have 7a chocolates and 5y icecream.

  (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 = _____ - _____ = _____

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

Question: 52 ....

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: 53 ....

	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: 54   ....

Solve the following:

$$\begin{array}{r} 13x + \underline{\quad} \\ (+)\ \ 12x + 10y \\ \hline \underline{\quad} + 25y \end{array} \qquad\qquad \begin{array}{r} 3a - 5b \\ (-)\ \ 5a - 7b \\ \hline -2a - \underline{\quad} \end{array}$$

Answer:

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

$$\begin{array}{r} 13x + \underline{\quad} \\ (+)\ \ 12x + 10y \\ \hline \underline{\quad} + 25y \end{array} \qquad\qquad \begin{array}{r} 3a - 5b \\ (-)\ \ 5a - 7b \\ \hline -2a - \underline{\quad} \end{array}$$

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

Question: 55   ....

If ☺ = 5, then 5 ☺ +5 = _____

Answer:

The value of the given smiley ☺ is _____.
Substituting the value in the expression = 5(___) + 5 = _____ + _____ = _____.

Question: 56   ....

Which of the following number can be placed in the box to make the equation correct (-2, -1, 0, 1, 2)
$7\boxed{} + 3 = -4$

Answer:

The given equation is 7___ +3 =-4 Substitute the values (-2, -1, 0, 1, 2) in the circle,
7× ___+3= ___
7× ___+3 = ___
7× ___+3 = ___

$7\times$ ___$+3 = $ ___
$7\times$ ___$+3 = $ ___
Therefore, _____ is the number that can be placed in a box to make the equation correct.

Question: 57

Arrange the terms in the descending order when the value of x is 2.

$2x$ $5x \times 1$ $x+3$ $2x-4$ $\frac{1}{2}x$

Answer:

The given expression are _____.
The value of x is _____.
substituting value of x

$$2x = 2\times \text{\_\_\_\_\_} = \text{\_\_\_\_\_} \qquad\qquad 2x-4 = 2\times \text{\_\_\_\_\_} \text{ - } 4 = \text{\_\_\_\_\_}$$

$$x+3 = \text{\_\_\_\_\_} = \text{\_\_\_\_\_} \qquad\qquad \frac{1}{2}x = \frac{1}{2} \times \text{\_\_\_} = \text{\_\_\_\_\_}$$

$$5x \times 1 = 5 \times \text{\_\_\_\_\_} \times 1 = \text{\_\_\_\_\_}$$

Arranging in descending order: ___, ___, ___, ___, ___.
Their respective algebraic terms are ___, ___, ___, ___, ___.