LaPIS Diagnostic Test Workbook - Mathematics

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Class	:	**7**
Section	:	**C**
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Ashwin C S's Performance Report

Topic wise Performance
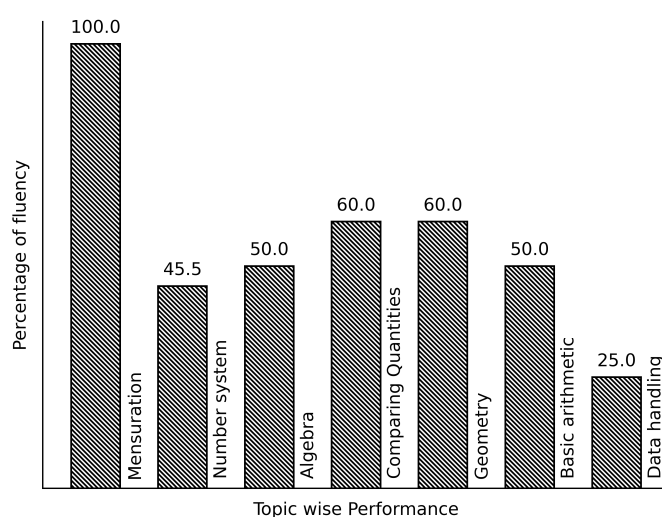
Score: 21/40　　　　　**Percentage: 52.5%**

Ashwin C S'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 ....
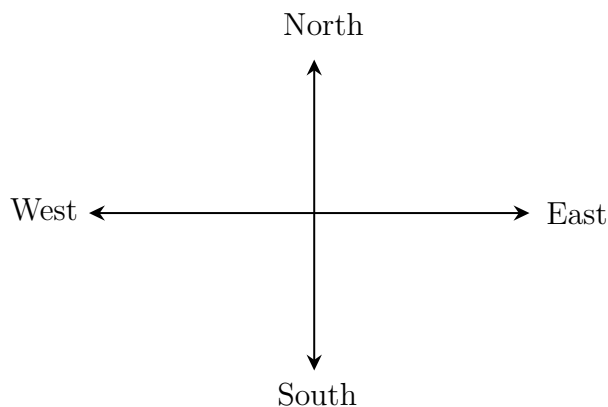
Find the angles.

$0°$
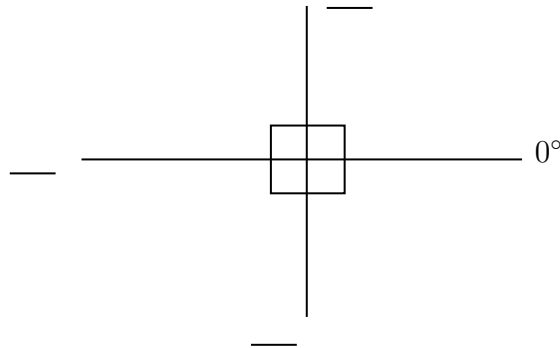
Answer:

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

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 **Range**

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

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

Answer:

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

Question: 9 ....

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 **Basics of probability**

Question: 10 ....

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.

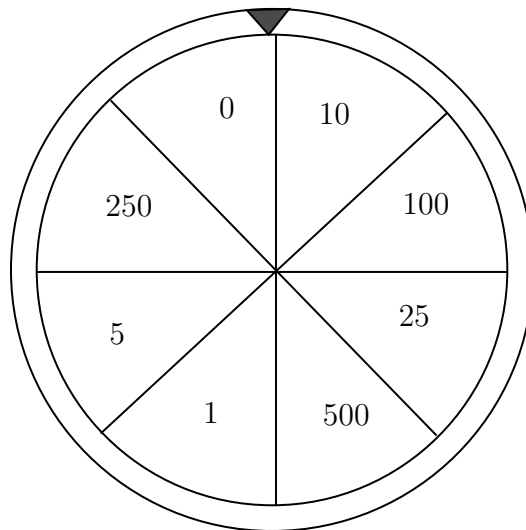Sample space consists of _____ (possible/ impossible) outcomes.

Sure events always _____ (occurs/don't occurs).

Impossible events _____ (occurs/ don't occurs).

Therefore, _____ contains list of possible outcomes.

Question: 11 . . . .

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: 12 . . . .

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 + _____ ,

_____ + _____, _____ + _____,

Geometry

Topics to be Improved	
Sum of lengths of two sides of a triangle	Sum of two sides of a triangle
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

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

Question: 13 . . . .

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

A
30m
70m
B
60m
C
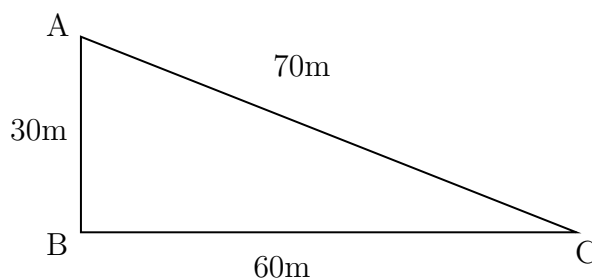
Answer:

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: 14 . . . .

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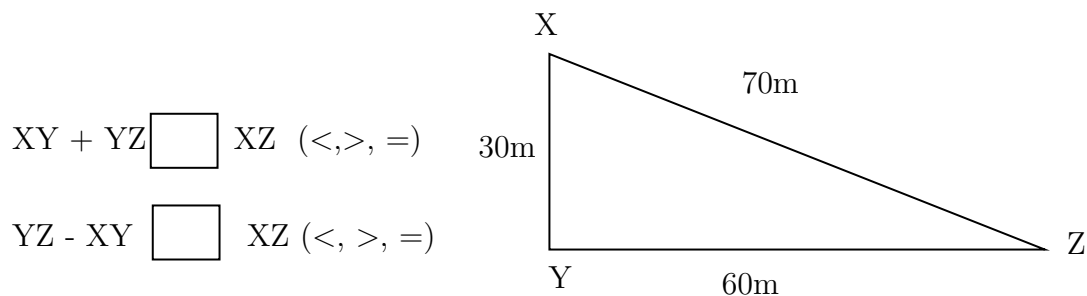
Answer:

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,

$$XY + YZ \boxed{} XZ \quad (<,>,=)$$

$$YZ - XY \boxed{} XZ \quad (<,>,=)$$

X

70m

30m

Y

60m

Z

Question: 15 ....

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 _____.

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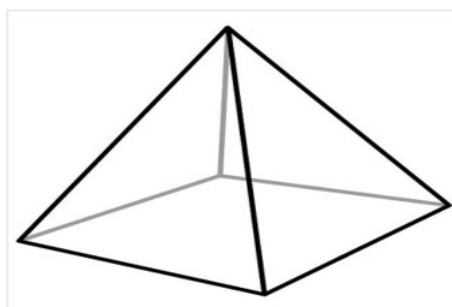

Question: 16 ....

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

Answer:

_____ has two end point (line/line segment/ray).
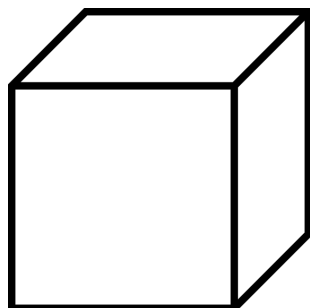A _____is a point where two or more line segments meet(Vertex/ edges/ faces).
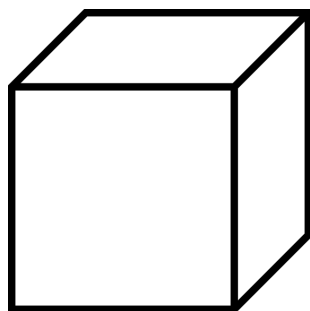Mark the vertices in the diagram,

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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 _____.
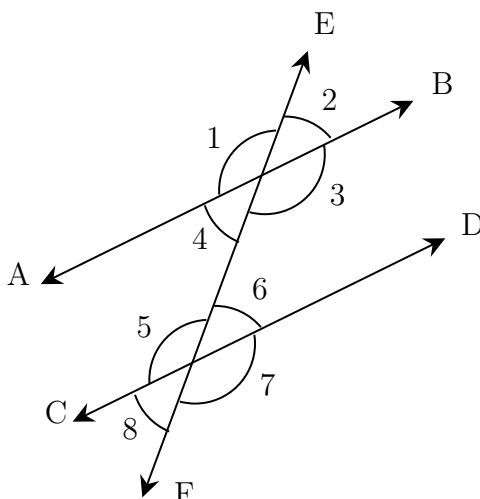Dices have _____ vertices, _____ edges and _____ faces.

Question: 19 ....

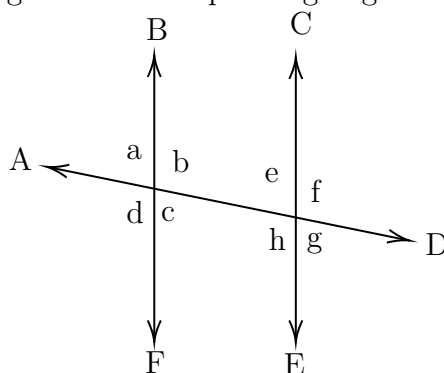In given diagram, ∠ 1 and ∠ 7 are _____ (alternate / corresponding) angles.

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 ....

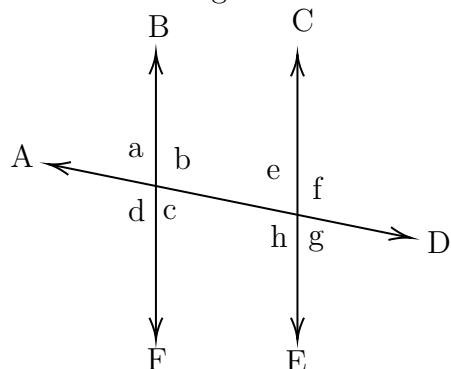Find the transversal, alternate angles and corresponding angles in a given diagram.

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.

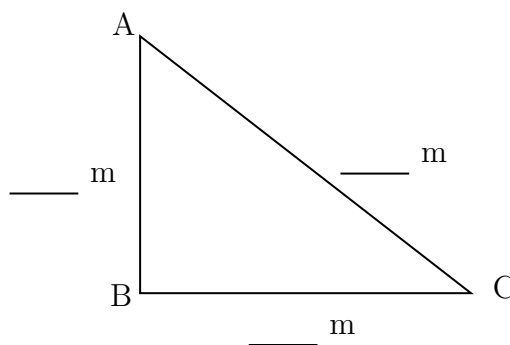## *Answer:*

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:

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

_____.

Given: Base = _____, Altitude = _____,

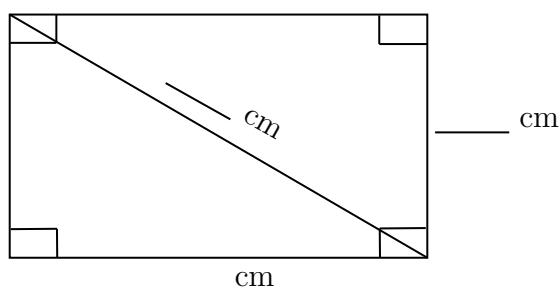Base and altitude are _____ (hypotenuse/ legs) of the triangle.

By Pythagoras theorem, $(\underline{\hspace{1cm}})^2 = (\underline{\hspace{1cm}})^2 + (\underline{\hspace{1cm}})^2$

$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

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:

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, $(\underline{\hspace{1cm}})^2 = (\underline{\hspace{1cm}})^2 + (\underline{\hspace{1cm}})^2$

$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

Therefore, diagonal of the rectangle is _____

Number system

Topics to be Improved	
Operations on rational numbers	Subtraction of rational numbers
Law of Exponents	Law of Exponents
Fractions	Multiplication of fractions, Division of fraction
Positive and negative rational numbers	Identification of positive rational numbers
Introduction to rational numbers	Basics of rational numbers

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

Question: 25 . . . .
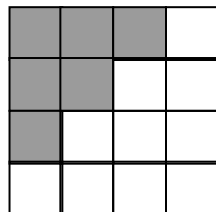
Solve: $\frac{-3}{3} + \frac{1}{3}$

Answer:

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

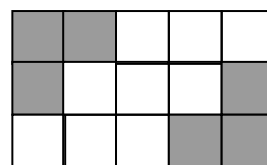$$\frac{-3}{3} + \frac{1}{3} = \frac{\quad}{3} = $$

Question: 26 . . . .

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 = _____
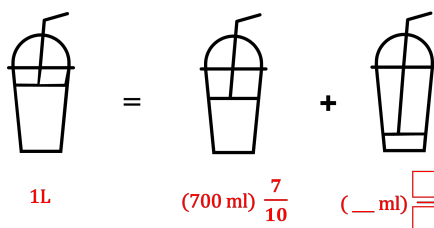Shaded part of box A in fraction = _____

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: 27 ....

Find the missing values in the given figure.

1L   =   (700 ml) $\frac{7}{10}$ +   (__ ml) $\frac{\square}{\square}$

Answer:

One litre = _____ ml
$\frac{7}{10}$ of one liter = $\frac{7}{10}$ x ____ 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 **Law of exponents**

Question: 28 ....

$(x)^0$ is equal to _____.

Answer:

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

In $(x)^0$ base = _____
Power = _____

Any number or variable with power zero is equal to _____.
Therefore, $(x)^0$ equal to _____.

Question: 29 ....

i. $a^m \times a^n = $ _____

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ii. $a^m \div a^n =$ _____

Answer:

Multiplication of two numbers with same base with different power, their exponents are
_____ (added/ subtracted)
Division of two numbers with same base with different power, their exponents are _____
(added/ subtracted).

Question: 30 ....

Circle the result of the expression $(a^0 \times b^1) + (m^1 \times n^0) + (x^0 \times y^1)$

$$a + n + x \qquad \text{bmy} \qquad 1 \qquad ab + mn + xy \qquad 0 \qquad anx \qquad b + m + y$$

Answer:

Any number with power zero is equal to_____ (One/ Zero).
Any number with power one is equal to _____ (same/ different) number.

$$\left(a^0 \times b^1\right) + \left(m^1 \times n^0\right) + \left(x^0 \times y^1\right) = (\underline{\quad}) + (\underline{\quad}\ddot{O}\underline{\quad}) + (\underline{\quad})$$
$$= \underline{\quad} + \underline{\quad} + \underline{\quad}$$
$$= \underline{\quad}$$

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

Question: 31 ....

Fill the boxes

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

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.

$$2 + 4 + \frac{6}{2} \; = \frac{2}{1} + \frac{4}{\Box} \; + \underline{\quad} = \frac{2}{1} + \frac{4}{\Box} \; + \frac{3}{\Box} = \frac{\Box}{\Box} = 9$$

Question: 32 ....

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: 33 . . . .

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 $2\frac{7}{4}$ = _____

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

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

Question: 34 . . . .

Segregate positive and negative rational number.
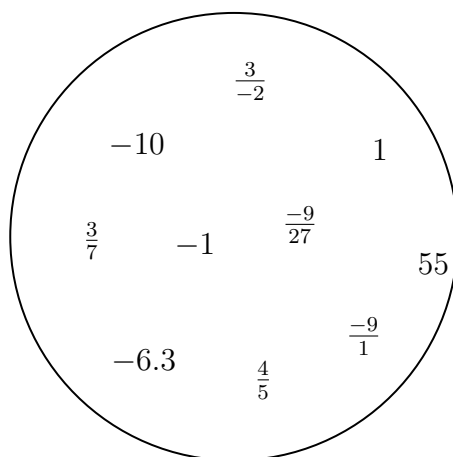
Answer:

- 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: 35 . . . .

$\frac{-3}{-4}$ 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: 36 . . . .

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: _____
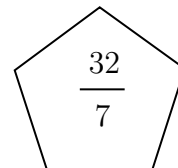Examples for negative rational numbers: _____
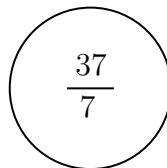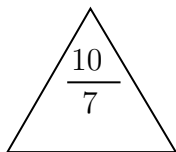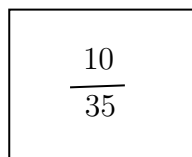Positive rational number $\times$ Negative rational number = _____ $\times$ _____ = _____ and this is _____ rational number

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

Question: 37 . . . .

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

$$\boxed{\dfrac{10}{35}} \qquad \triangle\,\dfrac{10}{7} \qquad \bigcirc\,\dfrac{37}{7} \qquad \pentagon\,\dfrac{32}{7}$$

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, $\dfrac{(\text{ Whole} \times \underline{\hspace{2cm}}\,)+Numerator}{Denominator}$

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

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 _____

$$\frac{12}{40} \div \underline{\quad\quad} = \frac{12}{40} \times \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$
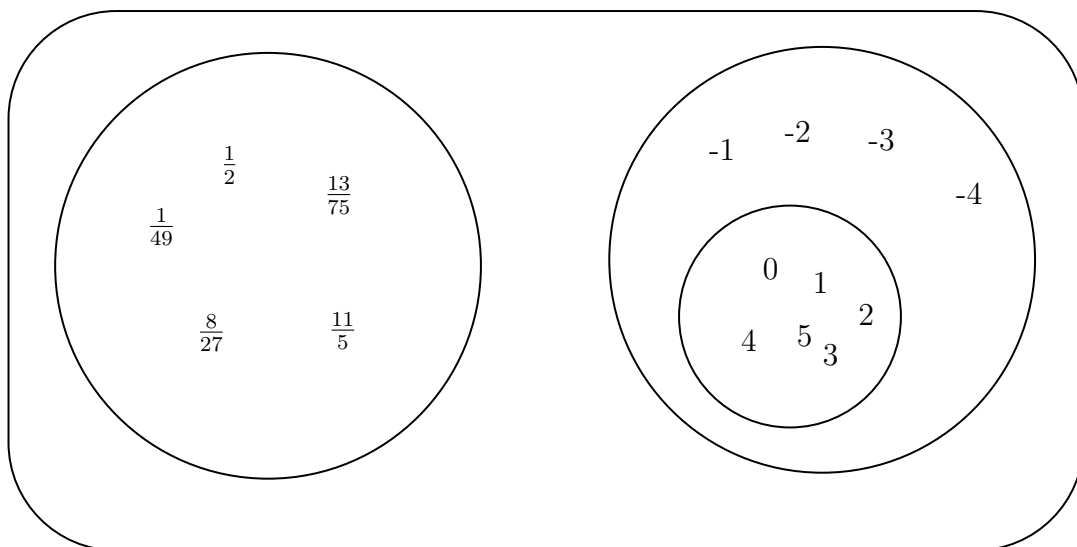
Then the answer is _____

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

Question: 40   . . . .

The numbers in the diagram represents_____.

Answer:

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

-1,-2, -3, -4 are _____ numbers.
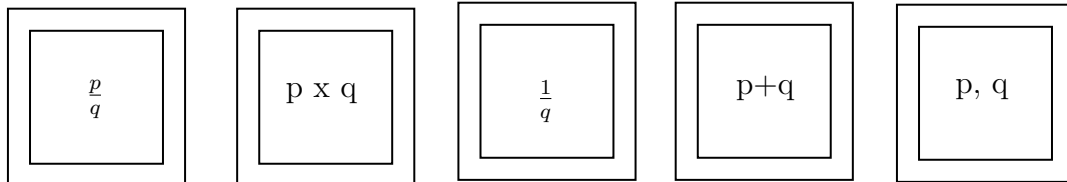
The combination of these circles are called _____.

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

Combination of all three circles are called as _____ numbers.

Question: 41 ....

Shade the correct form of rational numbers.

$\frac{p}{q}$	p x q	$\frac{1}{q}$	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: 42 ....

Circle the number which is not a rational number.

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

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.

Comparing Quantities

Topics to be Improved	
Conversion of fraction into percentage	Conversion of fraction into percentage
Simple interest	Calculation of simple interest

Hi, here in this video you will learn **Converting fraction into percentage**

Question: 43

Complete the box in the given equation.

$$5\% = \frac{5}{\boxed{}}$$

Answer:

Percentage are the fraction with the denominator _____.

Therefore, 5% can be expressed as _____

Question: 44

Mark the correct conversion form of fraction $\frac{1}{2}$ to percentage.

(i) $\frac{1}{2} \times \frac{50}{50} = \frac{50}{100} = 50\%$

(ii) $\frac{1}{2} \times \frac{100}{100} = \frac{100}{200} = 200\%$
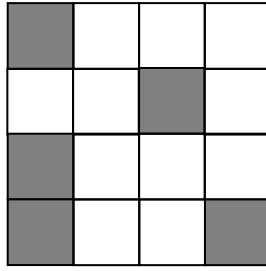
(iii) $\frac{1}{2} \times 100 = \frac{100}{2} = 50\%$

Answer:

To convert fraction into percentage, the value of _____ (denominator / numerator)should be 100 or _____ (multiply / divide) the fraction with 100 %.
Therefore, correct conversion form is _____

Question: 45

Find the percentage of shaded part of square.

Answer:

The square shape is divided into _____ parts.
Number of shaded part of square is _____.

Shaded part of square in fraction is $\dfrac{\Box}{\Box}$

To Convert $\dfrac{\Box}{\Box}$ into percentage , $\dfrac{\Box}{\Box}$ x 100

Hi, here in this video you will learn **Simple Interest**

Question: 46 ....

Match the following.

	Column A		Column B
i	Principle(P)	a	Interest calculated based on this
ii	Amount (A)	b	Total sum you borrow
iii	Rate (R)	c	Number of years
iv	Time period (T)	d	Total sum with interest

Answer:

Formula for calculating simple interest = _____.
Interest calculated based on _____.
Total sum you borrow is known as _____.
Number of years is _____. Total sum with interest is _____.

Question: 47 ....

Sara deposited Rs.1200 in a bank. After three years, she received Rs.1320. Find the interest she earned.

Answer:

Given:

Amount = _____ , Principle = _____ , Time period = _____.

If Amount and principle is given, then formula for calculating interest is _____.

Interest = _____ - _____ = _____

Question: 48 ....

The simple interest on Rs.5000 for 3 years is Rs.1350. Find the rate of interest.

Answer:

Interest = _____ , Time period = _____ , Principal = _____.

$$\text{Rate of interest} \quad = \frac{\underline{\quad} \text{ x } 100}{\text{Principal x } \underline{\quad}}$$

Substituting values in the formula,

$$\text{Rate of interest} \quad = \frac{\underline{\quad} \text{ x } 100}{\text{Principal x } \underline{\quad}}$$

Rate of interest = _____

Therefore, the rate of interest is _____ %

Algebra

Topics to be Improved	
Basics of simple equation	Solving of simple equation
Addition and subtraction of algebraic expressions	Like terms and Unlike terms
subtraction of algebraic expressions	subtraction of algebraic expressions

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

Question: 49 ....

If ☺= 5, then 5 ☺ +5 = _____

Answer:

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

Question: 50 ....

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× __+3 = __
7× __+3 = __
Therefore, _____ is the number that can be placed in a box to make the equation correct.

Question: 51 ....

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

$$2x = 2\times \underline{\hspace{1.5cm}} = \underline{\hspace{1.5cm}} \qquad 2x - 4 = 2\times \underline{\hspace{1.5cm}} \text{ - } 4 = \underline{\hspace{1.5cm}}$$

$$x + 3 = \underline{\hspace{1.5cm}} = \underline{\hspace{1.5cm}} \qquad\qquad \frac{1}{2}x = \frac{1}{2}\times \underline{\hspace{1cm}} = \underline{\hspace{1.5cm}}$$

$$5x \times 1 = 5 \times \underline{\hspace{1.5cm}} \times 1 = \underline{\hspace{1.5cm}}$$

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

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

Question: 52 ....

Shade the like terms.

$$\boxed{3a} \quad \boxed{3a^2} \quad \boxed{3b} \quad \boxed{6a} \quad \boxed{3c} \quad \boxed{33a} \quad \boxed{9a}$$
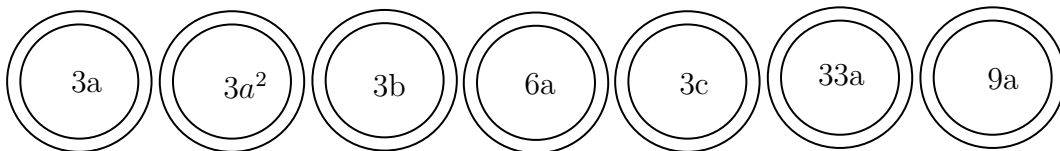
Answer:

Given terms are $\underline{\hspace{6cm}}$.
Two or more term have $\underline{\hspace{3cm}}$ (same/ different) variables is called like terms.
Here, like terms are $\underline{\hspace{3cm}}$.

Question: 53 ....

Complete the expression $\quad 7r^2 + \text{r}\,\boxed{} - 2\,\boxed{} = \underline{\hspace{0.8cm}}r^2$

Answer:

$\underline{\hspace{1.5cm}}$ (Like / Unlike) terms can be added or subtracted.

$$7r^2 + \text{r}\,\boxed{} - 2\,\boxed{} = \left(7 + \underline{\hspace{0.8cm}} - 2 \right) r^2 = \underline{\hspace{1.5cm}}$$

Question: 54 ....

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

(i) Total chocolates Ram and Sam have : $\underline{\hspace{1.5cm}}$.

(ii) How many icecreams Sam have more than Ram : $\underline{\hspace{2.5cm}}$.

	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: 55 . . . .

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: 56 . . . .

	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: 57 ....

Solve the following:

$$13x + \underline{\quad}$$
$$(+) \quad 12x + 10y$$
$$\underline{\quad} + 25y$$

$$3a - 5b$$
$$(-) \quad 5a - 7b$$
$$-2a - \underline{\quad}$$

Answer:

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

$$13x + \underline{\quad}$$
$$(+) \quad 12x + 10y$$
$$\underline{\quad} + 25y$$

$$3a - 5b$$
$$(-) \quad 5a - 7b$$
$$-2a - \underline{\quad}$$