LaPIS Diagnostic Test Workbook - Mathematics

Name : Midhunasree G P

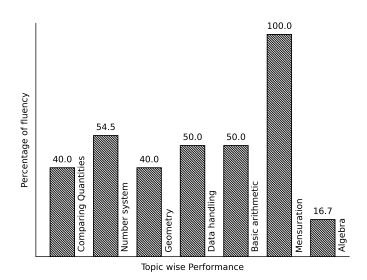
Class : 7

Section : B

School : AKV Public School

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Midhunasree G P's Performance Report



Score: 18/40 Percentage: 45.0%

Midhunasree G P's Study Planner

Date	Topics Planned	Q. Numbers	Teacher Remark	Teacher Sign	Parent Sign
		Teacher's Fe	edback to Student		
_					
	Class Teacher S	Signature	Princi	ipal Signature	

Basic arithmetic

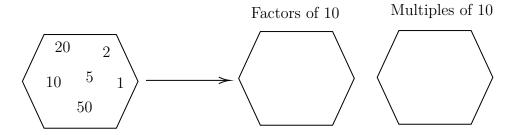
Topics to be Improved	
LCM	Finding LCM

Hi, here in this video you will learn LCM



Question: 1

Fill the hexagon with factors and multiples of 10.



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Answer:

A _____ (factor/multiple) of a number is an exact divisor of that number.

The factors of 10 are

10 x 1 =	x = 10
2 x = 10	x = 10

Let's find the multiple of 10

10 x 1 =	10 x 4 =
10 x 2 =	10 x 5 =
10 x 3 =	10 x 6 =

Therefore, factors of 10 are _____ and multiples of 10 are ____.

Question: 2

Find the LCM of 50, 100.

Answer:

Complete the division using least common multiple.

50	, 100	

Question: 3

Every number is the multiple of _____

Answer:

Let's find the first ten multiple of random numbers,

Multiple of $1 = \underline{\hspace{1cm}}$

Multiple of $2 = \underline{\hspace{1cm}}$

Multiple of 13 =

Multiple of 20 = _____

Here, _____ is the common factor of every number.

Data handling

Topics to be Improved		
Chance of probability Basis of probability		
Arithmetic mean, mode and median	Mean, Median and Mode	

and median		
Hi, here in this video you	u will learn Basics of probability	
Question: 4		
Identify the sure events and im	possible events	
(i) The sun rises in the west	i.	
(ii) Water is colourless.		
(iii) Clock rotates in clock wis	se direction.	
(iv) Ball is square in shape.		
Answer:		
	called (sure/ impossible) events. called (sure/ impossible) events.	
	t is event. Water is colourless is	
event. Clock rotates in clock wise direction.	ection is event. Ball is square in shape is _	
Question: 5		
Probability of sure events is	(greater / smaller) than probability of	impossible events
Answer:		
Probability of sure event =		
	$t = \underline{\hspace{1cm}} (0/1/ \text{ any number}).$ event $\underline{\hspace{1cm}}$ Probability of impossible event.	
<i>Question:</i> 6		
Raju has pencil, an eraser, a so probability of getting a pen fro	cale, sharpener, colour pencil and protractor in his om his box.	box. What is the

 $\underline{Answer:}$

Does Raju have p	e pen in his box, of getting pen from h	(Yes/ N	No).	0/1)		
Hi, here in th	is video you will le	earn M	Iean, Me	edian, N	/Iode	
Question: 7						
Find the mode of	the following data: 5	, 15, 23,	5, 32, 44,	72, 55, 6, 3	3, 5, 65, 45,	67, 24, 19 and 98.
$\underline{Answer:}$						
Arranging the da	ber that occurs ta in ascending order: occurs most number of					
Question: 8						
Which shape con	tains median of the gi	ven data	3, 5, 6, 2,	7, 9, 6, 4	and 1	
ascending or desc Arrange the given	ending order. In data in ascending order the given data is	der :	and it i	s the		
	Marks scored	100	90	80	70	
	Number of students	4	5	2	1	
$Mean = \underline{\hspace{1cm}},$	Median = an	nd Mode	=	_•		
Answer:						
$Mean = \frac{1}{mu}$	of all observation mber of observation .					
Therefore, mean Arrange the data	observation = = in ascending order :, mode				ation =	

Geometry

Topics to be Improved		
Angle sum property of triangle	Angle sum property of triangle	
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	
Transversal angle made by transversal	Basics of Transversal angle	
Lines of symmetry for regular polygons	Identification of lines of symmetry	
Related angles	Basic of angles	

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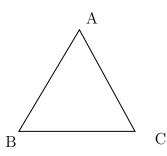
Hi, here in this video you will learn Angle sum property



Question: 10

Sum of the angles of triangle is _____.

Answer:



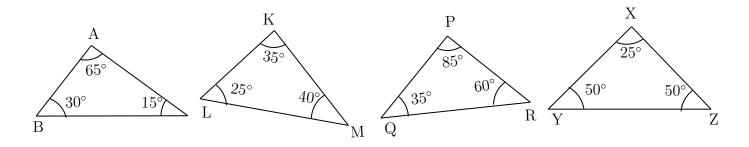
$$\angle A + \angle B + \angle C = \underline{\hspace{1cm}}$$

Angle sum formula = $(n-2) \times 180^{\circ}$, n = number of sides

Triangle has _____ sides.

 $\underline{Question: \ 11}$

Which of the following triangle satisfy the angle sum property.



Angle sum property of triangle: sum of the angles of a triangle is _		
In $\triangle ABC$, Sum of the angles $= \angle A + \angle B + \angle C =$	_ =	
In $\triangle PQR$, Sum of the angles = =	. =	
In $\triangle KLM$, Sum of the angles = =	_ =	
In $\triangle XYZ$, Sum of the angles = =	_ =	
Therefore, the triangles that satisfy the angle sum property are =		

Question: 12

Find the angles of triangle, if their angles are in the ratio 8:6:4.

Answer:

Ratio of angles in the triangle is
Let's consider the angles of triangle be $8x$, and
We know sum of the angles of a triangle is
Therefore, $8x + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 180^{\circ}$. The value of $x = \underline{\hspace{1cm}}$
The angles of the triangle are

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



Question: 13	
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In a right angled triangle, square of the $___$ = sum of the squares of the legs.

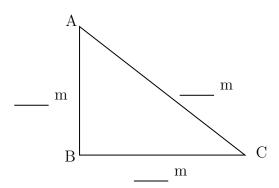
Answer:

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 $12~\mathrm{m}$ and altitude is $5~\mathrm{m}$.

Answer:



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

 $Given: Base = \underline{\hspace{1cm}}, Altitude = \underline{\hspace{1cm}},$

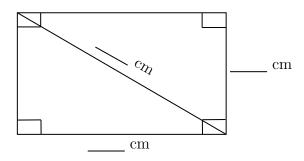
Base and altitude are _____ (hypotenuse/ legs) of the triangle.

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 = _____

By Pythagoras theorem, $(____)^2 = (___)^2 + (___)^2$ $= __ + ___$

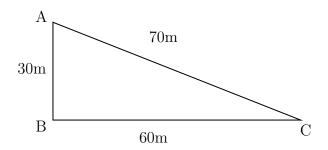
Therefore, diagonal of the rectangle is _____

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



Question: 16

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

 $\overline{\text{Side AC}} = \underline{\hspace{1cm}}$

Side AB + BC = _____ + ___ = ____

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

Question: 17

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

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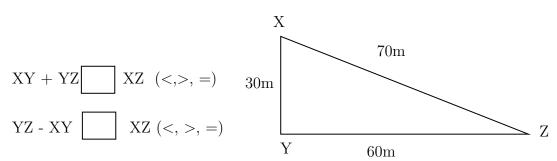
Answer:

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: 18

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?

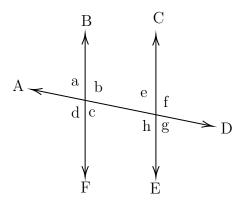
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Answer:

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 triangle. Therefore, the third side should be (less/ greater) than sum of the Here, difference of the two sides = =	of other 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 Transversal angle	
Question: 19	
In given diagram, \angle 1 and \angle 7 are	gles.
Answer: A line that intersects two or more lines at distinct points is called a 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 Therefore, $\angle 1$ and $\angle 7$ are	angles.
Question: 20	

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



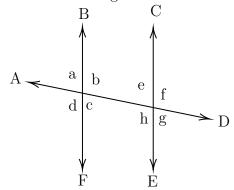
A line that intersects two or more lines at distinct points is called a _____ (transversal/Intersecting line).

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

Alternate angles	Corresponding angles
$\angle a$ and $\angle g$, $\angle b$ and $\angle h$,	\angle a and \angle e, \angle b and \angle f,

Question: 21

Find $\angle e$ and $\angle g$ if $\angle a = 30^{\circ}$.



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 $\angle a$ is _____ and its value is ____. Corresponding angle of $\angle a$ is _____ and its value is _____.

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



$Question: \ 22$	
Line of symmetry is divides any shape into (one / two) (identical identical) halves.	/ non
Answer:	
Lines of symmetry is a line that divides any shape into (equal / unequal) Symmetrical image have (identical / non identical) parts. Therefore, line of symmetry is dividing the shape into halves.	halves.
$Question: \ 23$	
How many lines of symmetry does square have?	
Answer:	
Square have sides.	
All sides of square are and all angles are	
Mark the lines of symmetry.	
Therefore, square has lines of symmetry.	
Therefore, square has lines of symmetry.	
Question: 24	
Classify the following based on the symmetry.	
Letter S, scalene triangle, Letter K, Rhombus, Number 8, and circle .	
Answer:	
Lines of symmetry is a line that divides the shape into (equal / unequal)	halves
The letter S is (symmetrical / asymmetrical) and have line	
symmetry.	
Scalene triangle is(symmetrical / asymmetrical) and havel	ines of
symmetry.	
The letter K is (symmetrical / asymmetrical) and have lines o	f
symmetry.	c
Rhombus is(symmetrical / asymmetrical) and have lines o symmetry.	Ι
Cat is (symmetrical / asymmetrical) and have lines of sym	metry
Stars is (symmetrical / asymmetrical) and have lines of symmetrical / asymmetrical and have lines of symmetrical and have lines of symmetrical / asymmetrical and have lines of symmetrical and have lin	
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Hi, here in this video you will learn Related Angles	
	P#F

Question: 25	
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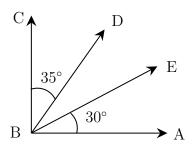
- (i) When two rays of an angle are perpendicular, then the angle formed between them is a $_$ angle .
- (ii) When two rays of an angle are in opposite sides, then the angle formed between them is a _____ angle .

A _____ (line segment /ray) begins from one point and travels endlessly in a direction.

- (i) The angle formed between two perpendicular rays is ____° and it is called _____ angle.
- (ii) If two rays starting at same point moves in opposite direction, they form a _____ (straight / perpendicular) line. The measure of the angle formed is ____ and it is called ____ angles.

Question: 26

Find the angle of $\angle DBE$



Answer:

BA and BC are _____ (parallel / perpendicular) rays. The angle formed between this rays is ____, $\angle ABC$ = ____.

$$\angle ABC = \angle ABE + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$= 30^{\circ} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

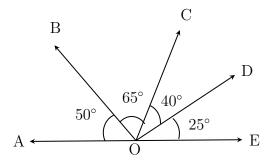
$$= \underline{\hspace{1cm}}$$
Therefore $\angle DBE =$

Therefore, $\angle DBE = \underline{\hspace{1cm}}$

Question: 27

Find the complementary angles in the given diagram.

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Two angles are said be complementary if sum of their angles is equal to _____.

 $\angle AOB =$ ______, and its complement angle is ______.

 $\angle BOC =$ _____, and its complement angle is _____.

 $\angle COD = \underline{\hspace{1cm}}$, and its complement angle is $\underline{\hspace{1cm}}$.

 $\angle DOE =$ _____, and its complement angle is _____.

Therefore, in the given figure the complementary angles are $\angle AOB$, _____ and $\angle BOC$, _____

Number system

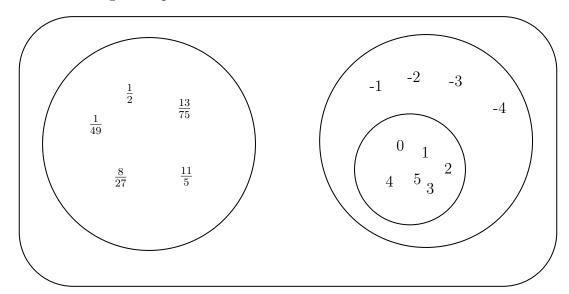
Topics to be Improved		
Introduction to rational numbers	Basics of rational numbers	
Exponents	Solving exponents	
Operations on rational numbers	Division of rational numbers	
Fractions	Division of fraction	
Positive and negative rational numbers	Identification of positive rational numbers	

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



Question: 28

The numbers in the diagram represents_



1	nswer	٠.
71	nswei	

0,	4,5	,2,3	,1	are	 number	S.
1	Ω	2	4		1	

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.
$\underline{Answer:}$
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. $\frac{-5}{-8} \frac{-3}{2} \frac{12}{-6} \frac{0}{-9} 256 \frac{4}{0}$
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.
Hi, here in this video you will learn Exponents and power
Question: 31
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 $
10 is raised to the power of $\underline{\hspace{1cm}} = (10)^{\underline{\hspace{1cm}}}$
10 is raised to the power of $\underline{\hspace{1cm}} = (10)^{\underline{\hspace{1cm}}}$
$\underline{Question \colon 32}$
<u>Question:</u> 32 Find the value of $(-2)^3$.
$\underline{Question \colon 32}$

to get the desired result.

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

......

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Question: 33

- (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 = ____.

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



Question: 34

Fill in the boxes to make the given expression correct.

$$\frac{1}{5} \div \frac{14}{15} = \frac{1}{\square} \times \square$$

Answer:

When any fraction is divided by a fraction, we multiply the dividend by the ______ (same/reciprocal) of the divisor.

Here, dividend = $_$ and divisor = $_$

$$\frac{1}{5} \div \frac{14}{15} = \frac{1}{\square} \times \square = \square$$

.....

Question: 35

Solve: $\frac{18}{7} \div 0.6$

Answer:

Fraction form of 0.6 =

when any fraction is divided by a fraction, we multiply the dividend by the $_$ (same/reciprocal) of the divisor. Here, dividend = $_$ and divisor = $_$.

$$\frac{18}{7} \div \boxed{ } = \frac{18}{7} \times \boxed{ } = \boxed{ }$$

Question: 36

Find the missing number in the expression $\frac{8}{3} \div \frac{16}{\square} = 2$

Answer:

$$\frac{8}{3} \div \frac{16}{\square} = 2$$

$$\frac{8}{3} \times \frac{\square}{16} = 2$$

Transposing 8/3 to RHS,

$$\frac{\square}{16} = 2 \square \frac{8}{3}$$

$$\frac{\square}{16} = 2 \times \boxed{\square}$$

$$\frac{\square}{16} = \frac{\square}{\square}$$

Transposing 16 to other side, the result is ____

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



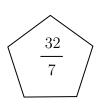
Question: 37

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









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, $\frac{\text{(Whole} \times _)}{\text{(Whole} \times _)}$

$$5\frac{2}{7} = \frac{(--- \times ---) + ----}{7} = \frac{\square}{\square}$$

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 = $___$.

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

Question: 39

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

Answer:

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

$$\frac{12}{40} \div \underline{} = \frac{12}{40} \times \underline{} = \underline{}$$

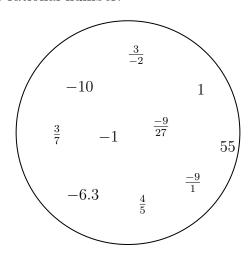
Then the answer is _____

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



Question: 40

Segregate positive and negative rational number.



Answer:	\boldsymbol{A}	ns	w	er	•
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• 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
$Question: \ 41$
$\frac{-3}{-4}$ is a (positive /negative / neither positive nor negative) rational number.
$\underline{Answer:}$
-3 is a number, -4 is a number. Division of $\frac{-3}{-4} = \Box$ and this rational number.
(Positive / Negative / Neither positive nor negative rational number)
Question: 42
The product of a positive rational number and a negative rational number isrational 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

Comparing Quantities

Topics to be Improved		
Simple interest Calculation of simple interest		
Percentage Basic of percentage		
Profit and loss	Prediction of loss and profit	

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



Question: 43

Match the following.

Column A		
i	Principle(P)	
ii	Amount (A)	
iii	Rate (R)	
iv	Time period (T)	

Column B		
a	Interest calculated based on this	
b	Total sum you borrow	
С	Number of years	
d	Total sum with interest	

Rate of interest =	= \frac{\top x \ 100}{\text{Principal x \top }}		
Substituting values	•		
Rate of interest	= x 100 Principal x		
Rate of interest = Therefore, the rate	e of interest is %		
Hi, here in this	s video you will learn Basics	s of percentage	
Question: 46			
2% can be written	as		
Answer:			
Percentages are nu	merators of fractions with denoming $2\% = \frac{\Box}{\Box}$		
Question: 47			
Arun attended the Arun?	LaPIS test for 100 marks and got	75% marks. What is	s the mark scored by
Answer:			
Arun attended LaI	PIS test for marks	s. He got	marks.
75% can be written	en in fraction form		
Then the mark sco	ored by Arun $=$ Total mark \times 7	75% = × _	<u> </u>
Question: 48			
There are 25 apple apples.	es in a basket in which 10 of them	are rotten. Find the p	percentage of rotten
Answer:			
	apples in a basket. apples are		

Fraction form of rotten apples in a basket =
Convert it into a percent= x% =
Hi, here in this video you will learn Profit and Loss
Question: 49
Anu bought a book for $\ref{100}$ and sold it for $\ref{150}$. Here, cost price of a book is and selling price of a book is
Answer:
The price that is paid to buy or purchase a goods is price and the price at which goods are sold is called price. Therefore, cost price of a book =, selling price of a book =
Question: 50
You bought a bat for ₹50 to play cricket. After one week, you sold that bat for ₹150. Is that a profit or loss for you?
Answer:
In profit, selling price cost price. $(<,>,=)$ In loss, selling price cost price. $(<,>,=)$ Cost price of a bat = selling price of a bat = Cost price is (greater / smaller) than selling price. Then it is
Question: 51
Janu bought a smart phone for $Rs.19,499$ and after one week she sold her phone at a loss of $Rs.2500$. Find the selling price of the phone.
Answer:
Cost price of a smart phone = , loss = Loss =

Algebra

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

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



Question: 52

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

Answer:

In algebraic expression, variables are represented by _____ and Constant is a

Terms	Constants	Variables

Question: 53

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
$\underline{Question:~54}$
Shade the outline of circle that contains the term of the given expression.
$6m^2-7mn+nl$
(m^2) $(7mn)$ $(6m^2)$ $(-7mn)$ (mn) (mn) $(-mn)$
$\underline{Answer:}$
In algebraic expression, (variables/ terms) are connected together with operations
of addition.
Here,,, are the terms of the given expression.
Hi, here in this video you will learn Types of expression
Question: 55
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: 56
<u> </u>
Classify the following expression into monomial, binomial and polynomial.
1. $7m + n + 2$
2. $8x^2 + 0$
3. 7xy + 4m
$\underline{Answer:}$
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:~57
$5m^2 + m + 0$ is a expression. (Monomial/ Binomial/ Trinomial)
$\underline{Answer:}$
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 Subtraction on expression
Question: 58
Find the sum of two expressions $a + b + c$ and $b + c + d$
$\underline{Answer:}$
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: 59

	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? _____

$\underline{Answer:}$

(i) Number of boys in school A = _____,

Number of boys in school $B = \underline{\hspace{1cm}}$

Total number of boys in school A and school B is $___$ + $___$ = $___$

(ii) Number of boys in school B = _____,

Number of girls in school $B = \underline{\hspace{1cm}}$

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: 60

Solve the following:

$$\begin{array}{ccc}
 & 3a - 5b \\
 & 5a - 7b \\
 & -2a - \underline{\hspace{1cm}}
\end{array}$$

Answer:

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

$$\begin{array}{c|c}
13x + \underline{\hspace{1cm}} \\
(+) & 12x + 10y \\
\underline{\hspace{1cm}} + 25y
\end{array}$$

$$\begin{array}{ccc}
3a - 5b \\
(-) & 5a - 7b \\
 & -2a - \underline{\hspace{1cm}}
\end{array}$$

.....

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



Question: 61

If ©=5, then 5 © +5 =

Answer:

The value of the given smiley ② is _____.

Substituting the value in the expression $= 5(\underline{\hspace{1cm}}) + 5 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$.

Question: 62

Which of the following number can be placed in the box to make the equation correct (-2, -1, 0, 1, 2)

 $7 \boxed{} + 3 = -4$

 $\underline{Answer:}$

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

$$7 \times$$
____+ $3 =$ ____

7× ____+3 = ____

7× ____+3 = ___

Therefore, _____ is the number that can be placed in a box to make the equation correct.

.....

$Question:\ 63$

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

Answer:

The given expression are _____.

The value of x is _____.

substituting value of x

$$2x = 2 \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

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

$$2x - 4 = 2 \times \underline{\hspace{1cm}} - 4 = \underline{\hspace{1cm}}$$

$$\frac{1}{2}x = \frac{1}{2} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Arranging in descending order: ____, ____, ____, ____, ____.

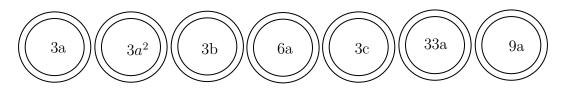
Their respective algebraic terms are ____, ____, ____, ____,

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



Question: 64

Shade the like terms.



......

Answer:

Civon torms are

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

Here, like terms are _____

Question: 65

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

Answer:

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

$$_{7r^2+ r} \square_{-2} \square = (7 + \underline{-2})_{r^2} = \underline{-}$$

Question: 66

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

- (i) Total chocolates Ram and Sam have : _____.
- (ii) How many ice creams 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 = ____ - ___ = ___