कोवीड फायटर
दैनिक अभ्यासमाला
ऑक्टोबर-२०२०
गणित आठवी

विद्यार्थ्याचि नाव- _____

शाळेचे नाव- _____

_____

Date.1.10.2020

Read the table and Write.

Natural Numbers	1, 2, 3, 4,- - - - -
Whole Numbers	0, 1, 2, 3, 4,- - - - -
Integers	- - - 4 ,-3, -2, -1, 0, 1, 2, 3, 4,- - -
Rational Numbers	- - - ,-$\frac{23}{3}$, $\frac{2}{-7}$, -1, 0, 1, 2, $\frac{32}{3}$, $\frac{67}{5}$,- - -

Natural Numbers	
Whole Numbers	
Integers	
Rational Numbers	

Write the following rational numbers in decimal form.

1.1666
6) 7
 - 6
  10
  - 6
   40
  - 36
   40
   - 36
    4
 	
= 1.16̇
	3) 4	9) 12	8) 15

Write the following rational numbers in decimal form.

0.833
6) 50
 - 48
  20
  - 18
   20
   -18
    20
 	
= 0,833
	5) 4	8) 2	7) 5

Using Laws of Indices fill in the blanks.

Law $a^m \times a^n = a^{m+n}$	$3^5 \times 3^2 = 3^{5+2} = 3^7$
$8^2 \times 8^3 =$	$4^2 \times 4^3 =$
$5^2 \times 5^7 =$	$7^5 \times 7^3 =$
$9^1 \times 9^3 =$	$326^2 \times 326^8 =$
$75^5 \times 75^3 =$	$98^5 \times 98^3 =$
$8^2 \times 8^7 =$	$95^5 \times 95^3 =$
$2^1 \times 2^3 =$	$26^2 \times 26^8 =$
$715^5 \times 715^3 =$	$908^5 \times 908^3 =$

Using Laws of Indices fill in the blanks.

Law: $a^m \div a^n = a^{m-n}$	$3^5 \div 3^2 = 3^{5-2} = 3^3$
$8^2 \div 8^1 =$	$4^9 \div 4^3 =$
$5^9 \div 5^7 =$	$7^5 \div 7^3 =$
$9^5 \div 9^3 =$	$326^9 \div 326^8 =$
$75^5 \div 75^3 =$	$98^5 \div 98^3 =$
$8^2 \div 8^1 =$	$95^5 \div 95^1 =$
$2^7 \div 2^3 =$	$26^7 \div 26^3 =$

Using Laws of Indices fill in the blanks.

Law $(a \, Xb)^m = a^m \text{x} \, b^m$	$(2 \, X \, 5)^3 = 2^3 \text{x} \, 5^3$
$(3 \, X8)^4 =$	$(27 \, X8)^7 =$
$(4 \, X6)^7 =$	$(62 \, X15)^9 =$
$(6 \, X1)^2 =$	$(20 \, X43)^2 =$
$(9 \, X87)^8 =$	$(34 \, X88)^3 =$
$(52 \, X90)^2 =$	$(79 \, X95)^6 =$

Using Laws of Indices fill in the blanks.

Law: $a^0 = 1$	$5^0 = 1$
$8^0 =$	$4^0 =$
$9^0 =$	$2^0 =$
$25^0 =$	$93^0 =$
$64^0 =$	$88^0 =$
$165^0 =$	$890^0 =$

Using Laws of Indices fill in the blanks.

$5^2 \, x \, 5^7 =$	$7^5 \, x \, 7^3 =$
$2^7 \div 2^3 =$	$26^7 \div 26^3 =$
$(4 \, X6)^7 =$	$(62 \, X15)^9 =$
$9^0 =$	$2^0 =$

खालील संख्यांचे घन लिहा.(Write Cube roots.)

$2^3 = 2 \times 2 \times 2 = 8$	$3^3 =$
$7^3 =$	$4^3 =$
$4^3 =$	$5^3 =$
$20^3 =$	$9^3 =$
$50^3 =$	$1^3 =$

$12^3 =$	$13^3 =$
$17^3 =$	$15^3 =$
$24^3 =$	$25^3 =$
$30^3 =$	$90^3 =$
$0^3 =$	$100^3 =$

Date.12.10.2020

Using Laws of Indices write proper numbers.

Fifth root of 243 $= (243)^{\frac{1}{5}}$	Seventh root of 535 =
Fourth root of 326 =	Third root of 50 =
Sixth root of 429 =	Sixth root of 78 =
Seventh root of 777 =	Fifth root of 209 =
Ninth root of 24 =	Fourth root of 563 =
Fifth root of 213 =	Third root of 752 =
Sixth root of 653 =	Eighth root of 888 =

. Find the Cube (खालील परिमेय संख्यांचा घन करा.)

$5^3 = 5 \times 5 \times 5 = 125$	$-5^3 = -5 \times -5 \times -5 = -125$
$4^3 =$	$-4^3 =$
$6^3 =$	$-6^3 =$
$15^3 =$	$-15^3 =$
$20^3 =$	$-20^3 =$

Find the Cube (खालील परिमेय संख्यांचा घन करा.)

Cube of (1.2) = (1.2) x (1.2) x (1.2) = 1.728
Cube of (1.5) =
Cube of (1.1) =
Cube of (1.3) =
Cube of (2.2) =

Cost of one notebook is Rs.10. Complete the following table.

No of Notebooks	2	5	7	3	15	20	22	50
Cost	Rs.20				Rs.150			

Cost of one Pen is Rs.8. Complete the following table.

No of Pens	3	6	2	7	20	35	50	100
Cost	Rs.24				Rs.160			

The information about numbers of workers and numbers of days to complete a work is given in the table. Complete the table.

Numbers of Workers	2	4	5	8	10
Days	20	10			

Numbers of Workers	5	10	15	30	6
Days	6				

चौकटीत योग्य संख्या लिहा.

$\dfrac{12}{100}$ =	Percent	12	=	12	%
$\dfrac{15}{100}$ =	Percent		=		%
$\dfrac{75}{100}$ =	Percent		=		%
$\dfrac{28}{100}$ =	Percent		=		%
$\dfrac{99}{100}$ =	Percent		=		%
$\dfrac{100}{100}$ =	Percent		=		%
$\dfrac{68}{100}$ =	Percent		=		%
$\dfrac{84}{100}$ =	Percent		=		%
$\dfrac{55}{100}$ =	Percent		=		%

Solve.

Cost Price (Rs)	Selling Price(Rs)		Discount
1000	800	1000 – 800	Rs.200
2000	1650		
35000	30000		
100000	99999		
100	99		

The marked price of a mobile is Rs.12,500.The Shopkeeper sold it for Rs.11,500
How much Rs. discount did the shopkeeper give ?

The marked price of a Computer is Rs.32,400 .The Shopkeeper sold it for
Rs.30,200. How much Rs. discount did the shopkeeper give ?

The marked price of a bike is Rs.92,500.Company sold it for Rs.88,450.
How much Rs. discount did the Company give ?

Ramrav sold an Ox for Rs.70,000 to Shamrav through a broker.Broker received Rs.3,500 brokerage from both.Find the total brokerage received by the broker.

Madhukar purchased a land for Rs.5,70,000 from shamrav through a broker. Broker received Rs.5,700 brokerage from both.Find the total brokerage received by the broker.

Date.22.10.2020

From a Khadi Gramodyig Stores Mukund purchased the following items:

a) 2 bedsheets , Rs.450 each b) 5 Honey bottles ,Rs.125 each.

On the purchase he received rebate of 15 percent.Find the total rebate. How much should Mukund pay to the shopkeeper?

Write the square numbers .(खालील संख्यांच्या वर्गसंख्या लिहा .)

Num bers		Square numbers		Num bers		Square numbers		Numb ers		Square numbers
1^2	1 x 1	1		6^2				11^2		
2^2	2 x 2	4		7^2				12^2		
3^2				8^2				13^2		
4^2				9^2				14^2		
5^2				10^2				15^2		

Num bers		Square numbers		Num bers		Square numbers		Numb ers		Square numbers
16^2		1		21^2				26^2		
17^2		4		22^2				27^2		
18^2				23^2				28^2		
19^2				24^2				29^2		
20^2				25^2				30^2		

Write the cube numbers .(खालील संख्यांच्या घनसंख्या लिहा.)

Num.		Cube Number		Num.		Cube Number
1^3	1 x 1 x 1 =	1		6^3		
2^3	2 x 2 x 2 =	8		7^3		
3^3				8^3		
4^3				9^3		
5^3				10^3		