

District Public School and College, Depalpur

E- Learning Project

Summer Task /Tutorial links

Home Assignments, Work Sheets, Activities

Academic Session 2020-2021



NAME : _____

CLASS : **6**

SECTION : _____

Date:4August,2020

Day:Tuesday

Ex: 4.5

weblink: <https://youtu.be/oDIHm9c-W74>

Topic:Division of integers:

1: a) $(-42) \div (-7)$

Solution: $-42 \div -7$

$$=-42/-7$$

$$=6$$

b) $(-155) \div (+31)$

Solution: $-155/+31$

$$= -5$$

c) $(+65) \div (+5)$

solution:

d) $(+260) \div (-13)$

solution:

e) $(-189) \div (-21)$

solution:

f) (+372) ÷ (+124)

solution:

2: Fill in the blanks

a) $\frac{12}{3} = \underline{\quad}$

b) $\frac{169}{13} = \underline{\quad}$

c) $\frac{\quad}{5} = -4$

d) $\frac{30}{\quad} = -6$

e) $\frac{\quad}{-8} = 9$

Learn and write table 20

$20 \times 1 = 20$	
$20 \times 2 = 40$	
$20 \times 3 = 60$	
$20 \times 4 = 80$	
$20 \times 5 = 100$	
$20 \times 6 = 120$	
$20 \times 7 = 140$	
$20 \times 8 = 160$	

$20 \times 9 = 180$	
$20 \times 10 = 200$	
$20 \times 11 = 220$	
$20 \times 12 = 240$	

Date :5August,2020

Day:Wednesday

Topic:Division of integers

Exercise: 4.5

weblink: <https://youtu.be/qDY-wbO9NWI>

3:a)(+252)÷(+18)

Solution:

$$(+252) \div (+18)$$

$$= +252 / +18$$

$$= +14$$

b) (-195) ÷ (+15)

Solution:

c) (-480) ÷ (-120)

Solution:

d) (+196) ÷ (-28)

Solution:

Learn and write table 11

11 × 1 = 11	
11 × 2 = 22	
11 × 3 = 33	
11 × 4 = 44	
11 × 5 = 55	
11 × 6 = 66	
11 × 7 = 77	
11 × 8 = 88	
11 × 9 = 99	
11 × 10 = 110	
11 × 11 = 121	
11 × 12 = 132	

Date :6August,2020

Day :Thursday

Unit 4: Integers

Fill in the blanks :

- 1- In routine we do not use sign with _____ integers.
- 2- _____ is neither a positive integer nor a negative integers.
- 3- The product of two integers of opposite signs is a _____ integers.
- 4- Integers are also known as _____

Tick the correct answer

- 5- The numerical value of -55 is:
(a) 55 (b) 5 (c) -5 (d) -55
- 6- Division of an integer is not possible by:
(a) positive integer (b) negative integer (c) zero (d) its absolute value
- 7- $(+7)+(-3) = ?$
(a) +10 (b) -4 (c) -10 (d) +4
- 8- $[(-1)+(-1)]-(-1) = ?$
(a) +1 (b) -1 (c) -2 (d) +2
- 9- $(-1) \div (-1) = ?$
(a) +1 (b) -1 (c) -2 (d) 0

Learn and write table 12

$12 \times 1 = 12$	
$12 \times 2 = 24$	
$12 \times 3 = 36$	
$12 \times 4 = 48$	
$12 \times 5 = 60$	

$12 \times 6 = 72$	
$12 \times 7 = 84$	
$12 \times 8 = 96$	
$12 \times 9 = 108$	
$12 \times 10 = 120$	
$12 \times 11 = 132$	
$12 \times 12 = 144$	

Date: 7 August, 2020

Day: Friday

Work sheet Unit 4 (Integers)

1) Arrange and write integers in ascending order

a) 3, -1, -7, 7

b) -9, -7, 6, 3

c) 3, -1, 1, 9

d) 4, -4, -9, 1

2) Arrange in descending order

a) 2, 5, -9, 0

b) 2, -7, -1, 3

c) 1, 5, 9, 8

d) -5, 2, 0, 7

3) Addition of three integers

Find sum

a) $+ 6 + (-12) + 2 =$

b) $-18 + (-5) + 3 =$

c) $-14 + 4 + 5 =$

d) $-9 + 4 + (-15) =$

4) find product

a) $(+1) \times (-2) \times (-3)$

b) $(-7) \times (-8) =$

c) $(+2) \times (-8) \times (+9) =$

d) $(+25) \times (+8) \times (-16) =$

5) Divion of integers

a) $(-182) \div (+14)$

b) $(+345) \div (+23)$

c) $(+1221) \div (-111)$

d) $(-4140) \div (+345)$

learn and write table of 13

$13 \times 1 = 13$	
$13 \times 2 = 26$	
$13 \times 3 = 39$	
$13 \times 4 = 52$	
$13 \times 5 = 65$	
$13 \times 6 = 78$	

$13 \times 7 = 91$	
$13 \times 8 = 104$	
$13 \times 9 = 117$	
$13 \times 10 = 130$	
$13 \times 11 = 143$	
$13 \times 12 = 156$	

Date: 8 August, 2020

Day: Saturday

Weblink : <https://youtu.be/MuXdbu6Wo-s>

Unit 5 Topic: Simplification

There are four type of bracket.

'-' is called a bar or vinculum .

"()" is called round or curved brackets or parentheses.

"{ }" is called a curly brackets or braces.

"[]" is called box brackets or square brackets

Rule :

Rule 1 : when an expression contain only addition and subtraction : work from left to right with in brackets.

Rule 2: when an expression contain only multiplication and division : work from left to right with in the brackets.

Rule 3: when an expression contain any three or all four operation : use BODMAS rules.

BOBMAS Rule

BO for bracket of

D for division ÷

M for multiplication ×

A for addition +

S for subtraction –

Exercise 5.1

1: Simplify $\left[1 \frac{1}{24} \div \left\{ 1 \frac{1}{4} \times \left(1 \frac{1}{10} + 1 \frac{2}{5} - 1 \frac{1}{4} \right) \right\} \right]$

$$\text{Solution} = \left[\frac{25}{24} \div \left\{ \frac{5}{4} \times \left(\frac{11}{10} + \frac{7}{5} - \frac{5}{4} \right) \right\} \right]$$

$$= \left[\frac{25}{24} \div \left\{ \frac{5}{4} \times \left(\frac{22+28-25}{20} \right) \right\} \right]$$

$$= \left[\frac{25}{24} \div \left\{ \frac{5}{4} \times \frac{25}{20} \right\} \right]$$

$$= \left[\frac{25}{24} \div \left\{ \frac{25}{16} \right\} \right]$$

$$= \left[\frac{25}{24} \times \frac{16}{25} \right]$$

$$= \frac{2}{3} \text{ Ans}$$

1: Simplify

Solution:

$$2: \frac{8}{9} + \left[\frac{5}{3} + \left\{ \frac{4}{39} \times \left(\frac{3}{4} + \frac{2}{3} \times \frac{1}{2} \right) \right\} \right]$$

Solution:

$$3: \left[1\frac{1}{4} + 1\frac{1}{10} \times \left\{ 8\frac{1}{2} - \left(6\frac{1}{2} \times 1\frac{5}{39} \right) \right\} \right]$$

Solution:

Learn and write table 14

14 × 1 = 14	
14 × 2 = 28	
14 × 3 = 42	
14 × 4 = 56	
14 × 5 = 70	
14 × 6 = 84	
14 × 7 = 98	
14 × 8 = 112	
14 × 9 = 126	
14 × 10 = 140	
14 × 11 = 154	
14 × 12 = 168	

Date: 10 August, 2020

Day: Monday

Exercise 5.1

Topic: Simplification

Weblink: <https://youtu.be/BK4MY8xcBIQ>

$$4 \div \frac{5}{2} \times \left[\frac{7}{6} + \left\{ \frac{245}{2} - \left(\frac{4}{3} \times 121 \div \frac{11}{8} \right) \right\} \right]$$

$$\text{Solution: } = \frac{5}{2} \times \left[\frac{7}{6} + \left\{ \frac{245}{2} - \left(\frac{4}{3} \times 121 \div \frac{11}{8} \right) \right\} \right]$$

$$= \frac{5}{2} \times \left[\frac{7}{6} + \left\{ \frac{245}{2} - \left(\frac{4}{3} \times 121 \times \frac{8}{11} \right) \right\} \right]$$

$$= \frac{5}{2} \times \left[\frac{7}{6} + \left\{ \frac{245}{2} - \left(\frac{352}{2} \right) \right\} \right]$$

$$= \frac{5}{2} \times \left[\frac{7}{6} + \left\{ \frac{245}{2} - \frac{352}{2} \right\} \right]$$

$$= \frac{5}{2} \times \left[\frac{7}{6} + \frac{31}{6} \right]$$

$$= \frac{5}{2} \times \left[\frac{7+31}{6} \right]$$

$$= \frac{5}{2} \times \frac{38}{6}$$

$$= \frac{95}{6}$$

$$= 15 \frac{5}{6}$$

4:simplify

Solution:

$$\text{5: } 1 \frac{4}{5} \div \left[\frac{1}{25} \times \left\{ 1 \frac{1}{4} + \left(3 \frac{1}{3} \div 2 \frac{1}{2} \times 1 \frac{5}{16} \right) \right\} \right] \times \frac{1}{2}$$

Solution:

$$6: 2 \frac{1}{2} \div \left[1 \frac{1}{3} + \left(1 \frac{1}{3} \times 3 \frac{1}{5} - 3 \frac{1}{5} \right) \right] \times 1 \frac{4}{5}]$$

Solution:

Learn and write table 20

$15 \times 1 = 15$	
$15 \times 2 = 30$	
$15 \times 3 = 45$	
$15 \times 4 = 60$	
$15 \times 5 = 75$	
$15 \times 6 = 90$	
$15 \times 7 = 105$	
$15 \times 8 = 120$	
$15 \times 9 = 135$	
$15 \times 10 = 150$	
$15 \times 11 = 165$	
$15 \times 12 = 180$	

Date: 11 August, 2020

Day: Tuesday

Exercise 5.2 Simplification (Word Problem)

Weblink: <https://youtu.be/qM-KJ2--hQE>

1 : Three families live together in a house. The daily use of milk of one family is $5\frac{1}{2}$ litres and other two families use $1\frac{1}{6}$ literes and $2\frac{1}{3}$ liters respectively. How much milk would a milk man supply them.

Use milk of one family = $5\frac{1}{2}$ l

Use milk of two family = $1\frac{1}{6}$ l

Use milk of third family $= 2\frac{1}{3}$ l

$$\begin{aligned}\text{Total milk} &= 5\frac{1}{2} + 1\frac{1}{6} + 2\frac{1}{3} \\ &= \frac{11}{2} + \frac{7}{6} + \frac{7}{3} \\ &= \frac{33+7+14}{6} = \frac{54}{6} \\ &= 9 \text{ litres milk}\end{aligned}$$

1 :Solve :

2:Nosheen bought 12 m cloth from market . She used half of cloth for her suit and $\frac{2}{3}$ rd of remaining for her daughter 's suit . How much cloth left with her ?

Solve :

3: Ahmed required $18\frac{1}{2}$ feet long cable wire for a connection . He joined two lengths of wire of $9\frac{3}{4}$ feet and $11\frac{1}{6}$ feet . Now how much length does he have more than the required length ?

Solve :

Dogging tables 2 to 10

$2 \times 4 =$	$6 \times 8 =$
$2 \times 7 =$	$9 \times 9 =$
$3 \times 9 =$	$7 \times 6 =$
$4 \times 8 =$	$8 \times 5 =$
$4 \times 12 =$	$9 \times 8 =$
$5 \times 7 =$	$9 \times 6 =$

Date :12 August,2020

Day: Wednesday

Ex 5.2

Topic : Simplification(word problem)

Weblink: <https://youtu.be/lywtGDthGTY>

4:price of book is Rs 650 . Two friends have Rs 325 and Rs 296 respectively. Find how many rupees two friends need more to buy that book .

solution :

price of book = Rs 650

1st friend have amount =Rs 325

2nd friend have amount=Rs296

Total amount of both friends= $325+296$ =Rs 621

Required amount = $650 - 621 = \text{Rs}29$

Both friends need Rs 29

4 :solve

5: The price of the chemicals of 16 kg weight is Rs 1429.60 . What is the price of 11.4 kg chemical .

Solve :

6 :Baber is a paying guest in a house,where he shares all utility bills equally with the land lord. What amount will Baber pay if the electricity bill is Rs1240.50,suigas bill is Rs 435.60 and water bill is Rs278.90?

Dodging tables 11 to 20

11 x 8 =	14 x 12 =
12x 4 =	15 x 7=

12 x 8 =	15 x 9 =
13 x 9 =	16 x 3 =
14 x 7 =	19 x 7 =
14 x 8 =	20 x 5 =

Date: 13 August, 2020

Day: Thursday

Objective Exercise 5

Fill in the blanks

- 1- In short the simplification rule is called the _____
- 2- Addition, subtraction, multiplication and division are the four _____ of mathematics.
- 3- _____ is called a curly bracket or braces.
- 4- “ () ” is called a round bracket or _____
- 5 “ _____ ” is called a bar or _____

Tick the correct answer

- 6) BODMAS rule, first basic operation is performed:

(a) addition (b) division (c) subtraction (d) multiplication
- 7) The bracket vinculum is denoted by:

(a) () (b) [] (c) { } (d) _____
- 8) [] is called

(a) parentheses (b) braces (c) vinculum (d) box bracket
- 9) After simplifying $\{1+(2+4\div 2\times 1-3)\}$, we get

(a) 1 (b) 2 (c) 3 (d) -1
- 10) $[1\div\{2\times\{5-(1+6\div 2)\}\}]$

(a) $\frac{1}{2}$ (b) $\frac{1}{3}$ (c) $\frac{2}{3}$ (d) $\frac{1}{4}$

Learn and write table 16

$16 \times 1 = 16$	
$16 \times 2 = 32$	
$16 \times 3 = 48$	
$16 \times 4 = 64$	
$16 \times 5 = 80$	
$16 \times 6 = 96$	
$16 \times 7 = 112$	
$16 \times 8 = 128$	
$16 \times 9 = 144$	
$16 \times 10 = 160$	
$16 \times 11 = 176$	
$16 \times 12 = 192$	

Date:15 August, 2020

Day :Saturday

Work sheet

Using parentheses (brackets)

a) $(4 + 7) \times 3 =$ _____

b) $12 - (2 \times 5) =$ _____

c) $(60 \div 10) - 8 =$ _____

d) $25 + (3 \times 8) =$ _____

e) $10 \div (17 - 15) =$ _____

f) $3 \times (12 - 4) =$ _____

g) $9 - (2 \times 7) =$ _____

h) $(24 \div 6) - 10 =$ _____

l) $(9 \times 6) - 42 =$ _____

J) $50 - (4 \times 9) =$ _____

K) $27 \div (81 \div 9) =$ _____

L) $(5 \times 11) - (3 \times 20) =$ _____

M) $(30 - 12) \times (20 \div 10) =$ _____

N) $(8 \times 6) \div (1.5 + 2.5) =$ _____

o) $(-16 + 11) - (5 \times 6) =$ _____

p) $\frac{1}{2} \times (20 - 4) =$ _____

Learn and write table 17

$17 \times 1 = 17$	
$17 \times 2 = 34$	
$17 \times 3 = 51$	
$17 \times 4 = 68$	
$17 \times 5 = 85$	
$17 \times 6 = 102$	
$17 \times 7 = 119$	
$17 \times 8 = 136$	
$17 \times 9 = 153$	

$17 \times 10 = 170$	
$17 \times 11 = 187$ SSS	
$17 \times 12 = 204$	

Date: 17 August, 2020

Day: Monday

Unit 6

weblink: <https://youtu.be/RkfXk8DeeSE>

Topic : Ratio

1 : write in to ratio form

a) $\frac{3}{4}$

Solution: in ratio form = 3:4

b) $\frac{2}{7}$

solution:

c) $\frac{9}{11}$

solution:

d) $\frac{8}{13}$

solution

e) $\frac{14}{23}$ solution:

f) $\frac{x}{y}$

2 :write each of following in fraction form:

a) 2 : 3

Solution:

In fraction form : $\frac{2}{3}$

a) 19 :20

Solution:

c) a:b

solution:

d) 1 : 10

solution:

e) 99 : 100

solution :

3: a) Simplify Ratio

Solution: **3 : 9**

=1:3

b) 25 : 40

Solution:

c) $\frac{1}{4} : \frac{1}{6}$

Solution:

d) 0.2:0.4:0.6

Solution:

e) $\frac{1}{4}$: $\frac{1}{6}$: $\frac{1}{8}$

solution:

f) $\frac{1}{10}$, $\frac{1}{100}$, $\frac{1}{1000}$

solution:

Write and learn table18

$18 \times 1 = 18$	
$18 \times 2 = 36$	
$18 \times 3 = 54$	
$18 \times 4 = 72$	
$18 \times 5 = 90$	
$18 \times 6 = 108$	
$18 \times 7 = 126$	
$18 \times 8 = 144$	
$18 \times 9 = 162$	

$18 \times 10 = 180$	
$18 \times 11 = 198$	
$18 \times 12 = 216$	

Date :18 August, 2020

Day: Tuesday

Exercise6.1

Topic:Simplification of ratio

Weblink: <https://youtu.be/Rlza6HHfXmM>

4 :write each of following quantities into ratio and reduce into the simplest form

a) Rs.100 and Rs.250

Solution:

Rs100 : Rs250

Rs 20 : Rs 50 dividing by 5

Rs 4 :Rs 10 dividing by 5

Rs 2 : Rs 5 dividing by 2

b) 2 kg and 800 grams

c) 1m and 500 cm

5: Simplify the ratio

a) 12 is to 120

Solution: 1 :10

b) 25 is to 50

Solution:

d) 80 is to 100

Solution:

e) 72 is to 48

solution:

f) 4000 is to 40

Learn and write table 19

$19 \times 1 = 19$	
$19 \times 2 = 38$	
$19 \times 3 = 57$	
$19 \times 4 = 76$	
$19 \times 5 = 95$	
$19 \times 6 = 114$	
$19 \times 7 = 133$	
$19 \times 8 = 152$	
$19 \times 9 = 171$	
$19 \times 10 = 190$	
$19 \times 11 = 209$	
$19 \times 12 = 228$	

Date: 19 August, 2020

Day: Wednesday

Work sheet (Ratio)

Find the Ratio of

I. 13 and 39

II. 48 and 64

III. 36kg and 80 kg

IV. 4 m and 3cm

V. Rs 2 and Rs 80

VI. 42 and 63

VII. 6.4 and 8

VIII. Rs 27 and Rs 63

IX. 60cm and 3 metres

X. 0.5 metres and 75cms

Date: 20 August, 2020

Day: Thursday

Ex 6.2

weblink: <https://youtu.be/HKxOuNs195E>

Topic: proportion

1: Find Value of

a) $\frac{2}{5} = \frac{P}{20}$

Solution:

$$\frac{2}{5} = \frac{P}{20}$$

By cross multiplication

$$5P = 2 \times 20$$

$$P = \frac{2 \times 20}{5}$$

$$p=4$$

b) $p/5=3/10$

solution:

c) $0.1/0.4 = 6 / p$

Write and learn table 20

$20 \times 1 = 20$	
$20 \times 2 = 40$	
$20 \times 3 = 60$	
$20 \times 4 = 80$	
$20 \times 5 = 100$	
$20 \times 6 = 120$	
$20 \times 7 = 140$	
$20 \times 8 = 160$	
$20 \times 9 = 180$	

$20 \times 10 = 200$	
$20 \times 11 = 220$	
$20 \times 12 = 240$	

Date: 21August,2020

Day: Friday

Topic: proportion (x value)

Exercise 6.2

Weblink: <https://youtu.be/4w7pdookUAU>

2: Find value of X in each of proportion

a) 2:7 :: X:49

Solution:

Product of mean = Product of extremes

$$7x = 2 \times 49$$

$$7x = 98$$

$$X = 14$$

b) X :12 :: 6 : x

c) $1.2 : 3.6 :: x : 3$

d) $X : 2 :: 150 : 100$

Learn and write table 11

$11 \times 1 = 11$	
$11 \times 2 = 22$	
$11 \times 3 = 33$	
$11 \times 4 = 44$	
$11 \times 5 = 55$	
$11 \times 6 = 66$	
$11 \times 7 = 77$	

$11 \times 8 = 88$	
$11 \times 9 = 99$	
$11 \times 10 = 110$	
$11 \times 11 = 121$	
$11 \times 12 = 132$	

Date: 22 August,2020

Day: Saturday

Topic: proportion (word problem)

Exercise: 6.2

Weblink: <https://youtu.be/LCzbaOW87W4>

3: 5:9 is a ratio if we increase first element of the ratio up to 40, what will be the second element ?

4: What is the fourth Proportional of 1,3 and 4

Solution:

Let the fourth proportional is =x

$$1 : 3 :: 4 : X$$

$$1 \times X = 3 \times 4$$

$$X = 12$$

5: Find mean proportional of 4 and 9.

Solution:

Learn and write table 12

$12 \times 1 = 12$	
$12 \times 2 = 24$	
$12 \times 3 = 36$	
$12 \times 4 = 48$	
$12 \times 5 = 60$	
$12 \times 6 = 72$	
$12 \times 7 = 84$	
$12 \times 8 = 96$	
$12 \times 9 = 108$	
$12 \times 10 = 120$	
$12 \times 11 = 132$	
$12 \times 12 = 144$	

Date: 24August,2020

Day: Monday

Topic: Direct proportion

Exercise 6.2

Weblink: <https://youtu.be/nNBJ5yWsVqY>

6: if 150 shirt can be stitched on 6 sewing machine in a day,how many machines required to stitch 225 shirts in a day?

Solution:

Let the required machines are = x

Shirts	:	machines
↑ 150	:	6 ↑
225	:	x

Direct proportion

$$225/150 = x/6$$

$$x \times 150 = 6 \times 225$$

$$x = \frac{6 \times 225}{150}$$

$$x = 9$$

9 Machines

7 : If 7 buffaloes gives 56 litres milk , how much milk can we get from 12 buffaloes?

Solution:

8 :Raheem paid his servent Rs .750 for 1 week and 3 days. what amount will he pay him for a month of 30 days?

Solution:

Learn and write table 13

$13 \times 1 = 13$	
$13 \times 2 = 26$	
$13 \times 3 = 39$	
$13 \times 4 = 52$	
$13 \times 5 = 65$	
$13 \times 6 = 78$	

13 × 7 = 91	
13 × 8 = 104	
13 × 9 = 117	
13 × 10 = 130	
13 × 11 = 143	
13 × 12 = 156	

Date: 25 August, 2020

Day: Tuesday

Topic: Inverse proportion

Exercise: 6.2

Weblink: <https://youtu.be/BMW7ECzwXiE>

9: A Farmer has 8 days food for 33 cows. He bought 11 more cows . for *how* many days will the food be enough?

Solution:

Number of cows = 33 cows

Farmer has foods = for 8 days

He bought more cows = 11 cows

Total cows = 33+11= 44

Suppose 44 cows have finished there food in X day

Cows : days

33 : 8

↓ 44 : X ↑ inverse proportion

$$33 / 44 = x / 8$$

$$X/8 = 33/44$$

$$X = 8 \times 33 / 44$$

$$X = 6$$

Food enough for 6 days

10: if 40 worker do a work in 35 days , in how many days will the same work be done by increasing 10 more workers?

Solution :

11: A machine starts working in 45 minutes at the temperature of 60°C. how much time is required to work it at the temperature of 75°C ?

Solution:

Write and learn table 14

$14 \times 1 = 14$	
$14 \times 2 = 28$	
$14 \times 3 = 42$	
$14 \times 4 = 56$	
$14 \times 5 = 70$	
$14 \times 6 = 84$	
$14 \times 7 = 98$	
$14 \times 8 = 112$	
$14 \times 9 = 126$	
$14 \times 10 = 140$	
$14 \times 11 = 154$	
$14 \times 12 = 168$	

Date: 26 August,2020

Day :Wednesday

Objective exercise 6

Fill in the blanks

1-The simplest form of a _____ is the same as the lowest form of a fraction.

2-The second and third elements of proportion are called ____ of a proportion .

3-_____ proportion is a relation in one quantity increases or decreases in a same proportion by increasing or decreasing the other quantity.

Tick the correct answer

4-A ratio is written by putting:

(a) : (b) , (c) ; (d)::

5- $a:b = c:d$, if and only if :

(a) $a \times b = c \times d$ (b) $a \times c = b \times d$ (c) $b \times c = a \times d$ (d) $c \times d = a \times b$

6-The reduced form of $1/4:1/2$ is:

(a)2:4 (b)4:2 (c)2:1 (d)1:2

7- 10:15 is an equivalent ratio of:

(a)15:10 (b)2:3 (c)2:5 (d)3:2

8-The relation of equality of two ratios is called:

(a)cross multiplication (b)proportion (c)equivalent ratio (d)ratio

Definitions

Ratio :

The numerical comparison between two quantities of same kind is called ratio .

Proportion :

The relation of equality of two ratio is called proportion .

Direct proportion:

Direct proportion is a relation in which one quantity increase or decreases in a same proportion by increasing or decreasing the **other quantity** .

Inverse proportion :

Inverse proportion is a relation in which one quantity increases by decreasing the other quantity and vice versa .

Learn and write table of 15

$15 \times 1 = 15$	
$15 \times 2 = 30$	
$15 \times 3 = 45$	
$15 \times 4 = 60$	
$15 \times 5 = 75$	
$15 \times 6 = 90$	
$15 \times 7 = 105$	
$15 \times 8 = 120$	
$15 \times 9 = 135$	
$15 \times 10 = 150$	
$15 \times 11 = 165$	
$15 \times 12 = 180$	

Date: 27 August , 2020

Day: Thursday

work sheet (Equivalent ratio)

a) $1:7 = \underline{\quad}: 14 = \underline{\quad} : 21 = 4:\underline{\quad} = 5:\underline{\quad} = \underline{\quad} : 42$

b) $1:2 = \underline{\quad}: 4 = 3:\underline{\quad} = 4:\underline{\quad} = 5:\underline{\quad} = 6:\underline{\quad}$

c) $1:3 = \underline{\quad}: 6 = 3:\underline{\quad} = \underline{\quad}: 12 = 5:\underline{\quad} = 6:\underline{\quad}$

d) $1:2 = \underline{\quad}: 4 = \underline{\quad} : 6 = \underline{\quad}: 8 = \underline{\quad}: 10 = 6:\underline{\quad}$

e) $1:8 = \underline{\quad} : 16 = \underline{\quad} : 24 = 4:\underline{\quad} = \underline{\quad} : 40 = \underline{\quad} : 48$

g) $2:5 = \underline{\quad} : 10 = \underline{\quad} : 15 = 8:\underline{\quad} = \underline{\quad} : 25 = \underline{\quad} : 30$

h) $5:9 = 10:\underline{\quad} = 15:\underline{\quad} = 20:\underline{\quad} = 25:\underline{\quad} = \underline{\quad} : 54$

i) $1:2 = \underline{\quad} : 4 = \underline{\quad} : 6 = 4:\underline{\quad} = \underline{\quad} : 10 = 6:\underline{\quad}$

j) $1:2 = 2:\underline{\quad} = \underline{\quad} : 6 = 4:\underline{\quad} = \underline{\quad} : 10 = \underline{\quad} : 12$

k) $1:3 = \underline{\quad} : 6 = \underline{\quad} : 9 = 4:\underline{\quad} = \underline{\quad} : 15 = \underline{\quad} : 18$

Learn and write table 16

$16 \times 1 = 16$	
$16 \times 2 = 32$	

$16 \times 3 = 48$	
$16 \times 4 = 64$	
$16 \times 5 = 80$	
$16 \times 6 = 96$	
$16 \times 7 = 112$	
$16 \times 8 = 128$	
$16 \times 9 = 144$	
$16 \times 10 = 160$	
$16 \times 11 = 176$	
$16 \times 12 = 192$	

Date: 28 August,2020

Day :Friday

Topic :Tables

Learn and write table 17

$17 \times 1 = 17$	
$17 \times 2 = 34$	
$17 \times 3 = 51$	
$17 \times 4 = 68$	
$17 \times 5 = 85$	
$17 \times 6 = 102$	
$17 \times 7 = 119$	

$17 \times 8 = 136$	
$17 \times 9 = 153$	
$17 \times 10 = 170$	
$17 \times 11 = 187$	
$17 \times 12 = 204$	

Write and learn table 18

$18 \times 1 = 18$	
$18 \times 2 = 36$	
$18 \times 3 = 54$	
$18 \times 4 = 72$	
$18 \times 5 = 90$	
$18 \times 6 = 108$	
$18 \times 7 = 126$	
$18 \times 8 = 144$	
$18 \times 9 = 162$	
$18 \times 10 = 180$	
$18 \times 11 = 198$	
$18 \times 12 = 216$	

Date: 31ST August, 2020

Day: Monday

Topic: Tables

Learn and write table 19

$19 \times 1 = 19$	
$19 \times 2 = 38$	
$19 \times 3 = 57$	
$19 \times 4 = 76$	
$19 \times 5 = 95$	
$19 \times 6 = 114$	
$19 \times 7 = 133$	
$19 \times 8 = 152$	
$19 \times 9 = 171$	
$19 \times 10 = 190$	
$19 \times 11 = 209$	
$19 \times 12 = 228$	

Write and learn table 20

$20 \times 1 = 20$	
$20 \times 2 = 40$	
$20 \times 3 = 60$	
$20 \times 4 = 80$	

$20 \times 5 = 100$	
$20 \times 6 = 120$	
$20 \times 7 = 140$	
$20 \times 8 = 160$	
$20 \times 9 = 180$	
$20 \times 10 = 200$	
$20 \times 11 = 220$	
$20 \times 12 = 240$	

