

Class

class - V

subject :- Math.
chapter :- Fractions.

Good morning all the students, I hope you all are well. Stay home; be safe and study well. Now today ~~now~~ ^{discuss} Math. in chapter fraction. So let's start.

Ex = 4.2 page :- 62

A. Reduce to the Lowest Term.

$$1. \frac{5 \div 5}{10 \div 5} = \frac{\boxed{1}}{\boxed{2}}$$

$$3. \frac{6 \div 6}{12 \div 6} = \frac{\boxed{1}}{\boxed{2}}$$

2. Reduce to the Lowest terms by dividing the numerator and denominator by the common factors

1. $\frac{2}{10}$

$\frac{2 \div 2}{10 \div 2}$

$\frac{1}{5}$ Ans

$\frac{18}{27}$

$\frac{18 \div 3}{27 \div 3}$

$\frac{6}{9}$

$\frac{6 \div 3}{9 \div 3}$

$\frac{2}{3}$ Ans //

12.

$$\frac{24}{36}$$

$$= \frac{24 \div 2}{36 \div 2} = \frac{12}{18}$$

$$= \frac{12 \div 2}{18 \div 2} = \frac{6}{9}$$

$$= \frac{6 \div 3}{9 \div 3} = \frac{2}{3} \text{ Ans.}$$

C. Reduce to the ~~to~~ lowest terms by dividing the numerator and denominator by their H.C.F.

$$1. \frac{42}{56} = \frac{42 \div 2}{56 \div 2} = \frac{21}{28}$$

$$\frac{21 \div 7}{28 \div 7} = \frac{3}{4} \text{ Ans.}$$

H/W EX = 4.2 (all)

← x →

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EX = 4.3 page:- 66.

A. Rewrite the following fractions in ascending order.

2. $\frac{3}{8}$; $\frac{3}{12}$; $\frac{3}{6}$; $\frac{3}{4}$
L.C.M of 8, 12, 6 and 4 = 24

$$\begin{array}{r} 2 \overline{) 8, 12, 6, 4} \\ 2 \overline{) 4, 6, 3, 2} \\ 3 \overline{) 2, 3, 3, 1} \\ 3 \overline{) 2, 1, 1, 1} \end{array}$$

$$\frac{3}{8} \times 24 = 9$$

$$\frac{3}{12} \times 24 = 6$$

$$\frac{3}{6} \times 24 = 12$$

$$\frac{3}{4} \times 24 = 18$$

The ascending order are

$$6 < 9 < 12 < 18$$

$$= \frac{3}{12} < \frac{3}{8} < \frac{3}{6} < \frac{3}{4} \quad \text{Ans.}$$

B. Rewrite the following fractions in descending order:

1. $\frac{8}{10}, \frac{8}{9}, \frac{8}{5}, \frac{8}{7}$

L.C.M of 10, 9, 5 and 7 = 630

$$5 \overline{) 10, 9, 5, 7}$$

2, 9, 1, 7

$$\begin{array}{r} 90 \\ \times 7 \\ \hline 630 \end{array}$$

$$\frac{8}{10} \times 630 = 504$$

$$\frac{8}{9} \times 630 = 560$$

$$\frac{8}{5} \times 630 = 1008$$

$$\frac{8}{7} \times 630 = 720$$

∴ The descending order are

$$1008 > 720 > 560 > 504$$

$$\frac{8}{5} > \frac{8}{7} > \frac{8}{9} > \frac{8}{10} \quad \text{Ans.}$$

H/w

Ex = 4.3 (A and B) all //

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Ex = 4.4 page:- 68

A. Find the sum.

8. $4\frac{1}{6} + 2\frac{1}{2} + 1\frac{1}{3}$

$$= \frac{25}{6} + \frac{5}{2} + \frac{4}{3}$$

L.C.M of 6, 2 and 3 = 6

$$\begin{array}{r} 2 \overline{) 6, 2, 3} \\ 3 \overline{) 3, 1, 3} \\ \quad 1, 1, 1 \end{array}$$

$$25 + 15 + 8$$

$$= \frac{48}{6}$$

$$= 8 \text{ Ans //}$$

11. $1\frac{2}{3} + 4\frac{1}{2} + 2$

$$= \frac{5}{3} + \frac{9}{2} + \frac{2}{1}$$

L.C.M of 3 and 2 = 6

$$= \frac{10 + 27 + 12}{6} = \frac{49}{6} \text{ Ans //}$$

B. Solve.

1. Amina bought $\frac{3}{8}$ m of a red ribbon and $\frac{1}{2}$ m of a blue ribbon.

∴ The total length of ribbon is

$$\frac{3}{8} + \frac{1}{2}$$

$$= \frac{3+4}{8}$$

$$= \frac{7}{8} \text{ m Am}$$

H/w

~~H/w~~ Ex = 4.4 (all)

I hope all of you are safe and healthy.

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subject- math.

Ex = 4.5, page = 70

A. Find the difference.

$$8. \quad \frac{2}{3} - \frac{1}{5}$$
$$= \frac{10-3}{15} = \frac{7}{15} \text{ Ans. //}$$

$$11. \quad 2 - 1\frac{1}{4}$$
$$= 2 - \frac{5}{4}$$
$$= \frac{8-5}{4} = \frac{3}{4} \text{ Ans. //}$$

$$15. \quad 2\frac{3}{8} - 1\frac{1}{4}$$
$$= \frac{19}{8} - \frac{5}{4} = \frac{19-10}{8}$$
$$= \frac{9}{8} \text{ Ans. //}$$

$$16. \quad 12\frac{3}{4} - \frac{5}{15}$$
$$= \frac{51}{4} - \frac{5}{15}$$
$$= \frac{765-20}{60} = \frac{745}{60} \text{ Ans. //}$$

15
x 51
75
75

B. Solve :-

1. Andrew had $\frac{2}{3}$ dozen dozen eggs. He used $\frac{1}{6}$ dozen eggs to bake a cake.

According to the question ?

He was left fraction of a dozen = $\frac{2}{3} - \frac{1}{6}$

$$= \frac{4-1}{6} = \frac{3}{6} = \frac{1}{2}$$

Ans

Fl/w Ex = 4.5 (A and B) all.

please students always
math. doing at home
and take care healthy.

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 subject :- math.
 EX = 4.6 page :- 72

A. Multiply.

1. $\frac{1}{2} \times 50$ ²⁵
 $= 25$ Ans. //

6. $\frac{3}{8} \times 1$
 $= \frac{3}{8}$ Ans. //

8. $\frac{2}{25} \times 100$ ⁴
 $= 8$ Ans. //

B. Solve.

1. $\frac{4}{9} \times \text{Rs } 63$ ⁷
 $= \text{Rs } 28$ Ans. //

3. $\frac{3}{8} \times 48$ ⁶ km
 $= 18$ km.

6. $\frac{2}{5} \times 550$ ¹¹⁰ ml.
 $= 220$ ml.

Hfw. EX = 4.6 (A and B) All.

class-v

Subject:- math.

EX = 4.7 page = 73

A. Multiply and write each product in its lowest terms.

1. $8 \times \frac{3}{4}$, 9. $\frac{1}{2} \times \frac{2}{3} \times \frac{3}{4}$

= 6 Ans // = $\frac{1}{4}$ Ans //

10. $\frac{4}{9} \times \frac{3}{5} \times \frac{1}{8}$

= $\frac{4}{3} \times \frac{1}{5} \times \frac{1}{8}$

= $\frac{1 \times 1 \times 1}{3 \times 5 \times 2}$

= $\frac{1}{30}$ Ans //

B. Multiply and write each product in its lowest terms. Use the short method.

$$3. \quad \frac{15}{16} \times \frac{10}{12}$$

$$= \frac{\cancel{15}^5}{16} \times \frac{\cancel{10}_2}{\cancel{12}_2}$$

$$= \frac{5 \times 5}{16 \times 2}$$

$$= \frac{25}{32} \text{ Ans. //}$$

$$10. \quad \frac{24}{18} \times \frac{15}{12} \times \frac{4}{5}$$

$$= \frac{24}{18} \times \frac{15}{\cancel{12}_3} \times \frac{\cancel{4}^2}{5}$$

$$= \frac{24}{18} \times \frac{\cancel{15}^3}{3} \times \frac{1}{5}$$

$$= \frac{24}{18} \times \frac{\cancel{3}^1}{\cancel{3}_1} \times \frac{1}{1}$$

$$= \frac{\cancel{24}^4}{\cancel{18}_9} \times \frac{1}{1} \times \frac{1}{1}$$

$$2 \frac{12^4}{9^3} \times \frac{1}{1} \times \frac{1}{1}$$

$$= \frac{4}{3} \times \frac{1}{1} \times \frac{1}{1}$$

$$= \frac{4 \times 1 \times 1}{3 \times 1 \times 1}$$

$$= \frac{4}{3} \text{ Ans. //}$$

e. Solve problems.

1. // According to the question.

1 shirt used for cloth $1\frac{1}{2}$ m.
 $= \frac{3}{2}$ m.

\therefore 5 shirts used for cloth $\left(\frac{3}{2} \times 5\right)$ m
 $= \frac{15}{2}$ m.

Ans //

H/w EX = 4.7

A. (A11)

B. (A11)

C. (A11)

//

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Ex = 4.8

page:- 76

B. divide

1. $\frac{3}{8} \div \frac{1}{8}$

$$= \frac{3}{\cancel{8}} \times \frac{\cancel{8}}{1}$$

$$= \frac{3 \times 1}{1 \times 1}$$

$$= \frac{3}{1}$$

$$= 3 \text{ Ans.} //$$

7. $\frac{3}{5} \div \frac{3}{2}$

$$= \frac{\cancel{3}}{5} \times \frac{2}{\cancel{3}}$$

$$= \frac{1 \times 2}{5 \times 1}$$

$$= \frac{2}{5} \text{ Ans.} //$$

C. divide and write the answer
in the lowest term.

1. $5 \div \frac{5}{8}$

$$= \cancel{5} \times \frac{8}{\cancel{5}}$$

$$= \frac{1 \times 8}{1}$$

6. $8 \div \frac{5}{6}$

$$= 8 \times \frac{6}{5}$$

$$= \frac{8 \times 6}{1 \times 5}$$

$$= \frac{48}{5} \text{ Ans.} //$$

∞. Solve problems.

1. According to the question.

- ∴ $\frac{1}{5}$ m ribbon make a flower.
- ∴ 1 m ribbon make 5 flower.
- ∴ 5 m ribbon make 5×5 flowers.
 $= 25$ flowers.

H/w

Ex = 4.8

B. (All).

C. (All).

∞. (All).

How are you?

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take care study and health.