

Ch-9

Fractions

Work sheet

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SCHOLAR

Date: |

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(a) Fractions with different denominators are unlike fractions.

(b) A mixed number is a combination of a whole number and a proper fraction.

(c) ~~an improper~~ A fraction greater than 1 is always an improper fraction.

(d) In $\frac{17}{18}$, the numerator is 17.

(e) The lowest term of $\frac{10}{10}$ is $\frac{10}{10} = \frac{5}{5} = \frac{1}{1}$.

(f) ~~5~~ 5, one-fifth make a whole.

(g) There are 9 halves in $4\frac{1}{2}$.

(h) A proper fraction is always less than 1.

(i) Fractions with the same denominator are like fractions.

(j) The numbers such as half, one third, one-fourth, two-fifth, five sixth, etc. are called

2) Do as directed:

(a) Find: $\frac{3}{5}$ of 25 = 15

(b) Express $\frac{19}{2}$ as mixed number = $9\frac{1}{2}$

(c) Express $6\frac{2}{9}$ as improper fraction = $\frac{56}{9}$

(d) $\frac{3}{4} \square \frac{2}{5}$

(e) Reduce $\frac{18}{42}$ in the lowest term

Ans) $\frac{3}{7}$

3) Solve

(a) add :

$$2 \frac{5}{13} + \frac{7}{13} + 3 \frac{9}{26}$$

$$= \frac{37}{13} + \frac{7}{13} + \frac{87}{26}$$

$$= \frac{(37 \times 2) + (7 \times 2) + (87 \times 1)}{26}$$

$$= \frac{62 + 14 + 87}{26} = \frac{163}{26}$$

(b) subtract :

$$5 \frac{7}{9} - 9 \frac{5}{7}$$

$$= \frac{52}{9} - \frac{68}{7}$$

$$= \frac{(52 \times 7) - (68 \times 9)}{63}$$

$$= \frac{364 - 612}{63} = \frac{248}{63}$$

(c) Multiply:

$$\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2} = \frac{3 \times 1}{5 \times 4} = \frac{3}{20}$$

~~3~~

(d) Simplify:

$$\frac{3}{5} + \frac{1}{2} - \frac{3}{4}$$

$$= \frac{(3 \times 4) + (1 \times 10) - (3 \times 5)}{20}$$

$$= \frac{12 + 10 - 15}{20}$$

$$= \frac{22 - 15}{20}$$

$$= \frac{7}{20}$$

(e) solution

A ribbon measuring $3\frac{1}{2}$ m

No. of pieces cut = 7

$$\frac{7}{2} \div \frac{7}{1}$$

$$\frac{7}{2} \times \frac{1}{7} = \frac{1}{2}$$

So, the length of each piece is $\frac{1}{2}$