

"Reduce" "Lowest terms" "Simplify"

Vocabulary

Equivalent Fractions: Equal fractions

Fractions that have the same value.

Improper Fractions: When the numerator is larger than the denominator. ex $\frac{12}{5}$

$\frac{8}{9}$ numerator
9 denominator

Mixed Numbers: Combination of a whole number and a fraction. ex $1\frac{3}{4}$

Equivalent Fractions

Write an equivalent fraction.

1) $\frac{8}{12} = \frac{4}{6} = \frac{2}{3} = \frac{40}{60}$

2) $\frac{6}{9}$

3) $\frac{12}{20}$


4) $\frac{2}{3}$

Mixed Number and Improper Fractions

Write the mixed number as an improper fraction.

1) $2\frac{3}{4}$
 whole \nearrow part \nwarrow
 $\left(\frac{11}{4}\right)$

2) $4\frac{2}{5}$

3) $-4\frac{7}{8}$
 $\left(-\frac{39}{8}\right)$

4) $-5\frac{3}{7}$

Write the improper fraction as a mixed number.

$$1) \frac{27}{5} = 5\frac{2}{5}$$

$$2) -\frac{39}{4} = -9\frac{3}{4}$$

$$3) \frac{100}{3}$$

$$4) -\frac{45}{9}$$

Simplify Fractions

Write the fraction in simplest terms.

$$1) \frac{4 \div 2}{14 \div 2} = \frac{2}{7}$$

GCF = 2

$$2) \frac{27}{42}$$

GCF = 3

$$3) \frac{28}{49}$$

GCF = 7

$$4) \frac{10xy}{15y^2}$$

GCF = 5y

$$5) \frac{36w}{60w^2}$$

$$= \frac{\cancel{3}w}{\cancel{5}w \cdot w} = \frac{3}{5w}$$

GCF = 12w

$$6) \frac{36wx^4y^7z^6}{55x^5y^2z^6}$$

GCF = $x^4y^2z^6$

Extra Practice: Fishing Magician Worksheet

Modified: Fishing Magician Worksheet EVENS ONLY