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MATH

QUICKLY



Workbook 1

Videos 1-5

Fractions and

Word Problems

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Video 1
Fractions 1

Basics

Fractions 1: Part 1

How many of these numbers are proper fractions, improper fractions, and mixed numbers?

Circle the proper fractions, **check** the improper fractions, and **cross out** the mixed numbers.



Remember, the top number is smaller than the bottom number for a **proper fraction**. An **improper fraction** has a top number that is the same or larger than the bottom number. A **mixed number** consists of a whole number and a fraction.

- A.**
- $\frac{14}{27}$ $\frac{27}{14}$ $1\frac{4}{27}$ $\frac{27}{26}$
 - $\frac{3}{2}$ $\frac{16}{8}$ $406\frac{1}{2}$ $\frac{19}{20}$
 - $\frac{2}{3}$ $\frac{4}{5}$ $\frac{21}{22}$ $\frac{22}{21}$
 - $1\frac{2}{3}$ $\frac{5}{4}$ $\frac{7}{6}$ $\frac{6}{7}$
 - $\frac{8}{16}$ $1\frac{1}{4}$ $\frac{9}{3}$ $10\frac{3}{10}$

B. Reduce to lowest terms:



Find one number and divide it into both the top and bottom numbers evenly.

- $\frac{2}{10} =$ $\frac{5}{50} =$ $\frac{2}{24} =$ $\frac{11}{33} =$
- $\frac{20}{25} =$ $\frac{10}{80} =$ $\frac{9}{81} =$ $\frac{8}{64} =$
- $\frac{18}{20} =$ $\frac{7}{49} =$ $\frac{18}{36} =$ $\frac{7}{42} =$
- $\frac{3}{9} =$ $\frac{6}{12} =$ $\frac{4}{44} =$ $\frac{3}{36} =$
- $\frac{6}{24} =$ $\frac{3}{24} =$ $\frac{12}{60} =$ $\frac{9}{36} =$

C. Change fractions to higher terms:



Divide the bottom, multiply the top!

1. $\frac{6}{10} = \frac{\quad}{100}$

$\frac{4}{5} = \frac{\quad}{25}$

$\frac{2}{3} = \frac{\quad}{12}$

2. $\frac{3}{6} = \frac{\quad}{18}$

$\frac{2}{7} = \frac{\quad}{49}$

$\frac{5}{8} = \frac{\quad}{32}$

3. $\frac{3}{12} = \frac{\quad}{24}$

$\frac{1}{9} = \frac{\quad}{18}$

$\frac{3}{15} = \frac{\quad}{45}$

4. $\frac{2}{11} = \frac{\quad}{22}$

$\frac{9}{10} = \frac{\quad}{50}$

$\frac{1}{2} = \frac{\quad}{10}$

5. $\frac{4}{6} = \frac{\quad}{24}$

$\frac{5}{7} = \frac{\quad}{35}$

$\frac{2}{8} = \frac{\quad}{16}$

SAMPLE

Video 1: Test 1

1. Is it a Proper Fraction (**P**), Improper Fraction (**I**) or a Mixed Number (**M**)? Put the correct letter in the blank space below.

$$3\frac{3}{8}$$

$$\frac{3}{8}$$

$$\frac{10}{4}$$

$$\frac{16}{17}$$

$$1\frac{1}{5}$$

2. Reduce:

$$\frac{11}{22} =$$

$$\frac{7}{42} =$$

$$\frac{3}{12} =$$

$$\frac{2}{8} =$$

$$\frac{10}{100} =$$

$$\frac{6}{18} =$$

$$\frac{9}{54} =$$

$$\frac{3}{24} =$$

3. Change to higher terms:

$$\frac{2}{10} = \frac{\quad}{20}$$

$$\frac{1}{9} = \frac{\quad}{18}$$

$$\frac{2}{6} = \frac{\quad}{36}$$

$$\frac{3}{5} = \frac{\quad}{15}$$

$$\frac{2}{7} = \frac{\quad}{35}$$

$$\frac{8}{9} = \frac{\quad}{27}$$

$$\frac{3}{8} = \frac{\quad}{24}$$

$$\frac{6}{7} = \frac{\quad}{49}$$

$$\frac{2}{8} = \frac{\quad}{16}$$