Warm-Up

Oct 1

Using the numbers below and math operation, try to reach the given target!

-> use all

Numbers: 3, 7, 2, 8, 5 -> Can use Target: 24 -> has to equal this

RULES

BEDMAS

- You can only use each number once.
- You can use any of the four operations (+, -, ×, ÷).
- They must get exactly 24.

FRACTIONS

- **Fraction**: A number that represents a part of a whole, written in the form a/b where *a* is the numerator and *b* is the denominator.
- Mixed Number: A whole number combined with a fraction
 e.g., 3 1/2
- **Simplifying**: Reducing a fraction to its simplest form.
- **Greatest Common Factor (GCF)**: The largest number that divides both the numerator and the denominator.

Simplifying Proper Fractions

- 1. Steps to Simplify a Fraction:
 - > Find the greatest common factor of the numerator and denominator.
 - > Divide both the numerator and denominator by the greatest common factor.

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Practice

Simplify the following fractions:

1)
$$\frac{18}{24} = \frac{3}{4}$$

Cr(F = 6

$$\frac{2) 8^{\frac{14}{4}}}{12 \cdot 4} = \frac{2}{3}$$
Ch(F = 4

3)
$$\frac{15}{20} : \frac{3}{5} = \frac{3}{4}$$
GCF = $\frac{5}{5}$

3)
$$\frac{24}{32} = \frac{12}{16} = \frac{6}{8} = \frac{3}{4}$$



Converting Improper Fractions to Mixed Numbers

- 1. Steps to Convert Improper Fractions to Mixed Numbers:
 - > Divide the numerator by the denominator to get the whole number part.
 - > The remainder becomes the numerator of the fractional part, while the denominator stays the same.

Example: Convert $\frac{17}{5}$ to a mixed number $\frac{17}{5}$ $\frac{3}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ $\frac{17}{5}$ $\frac{2}{5}$ $\frac{2}{5}$ $\frac{17}{5}$ $\frac{2}{5}$ $\frac{2}{5}$

Practice

Convert the following to mixed numbers

1)
$$\frac{9}{4} = 2\frac{1}{4} = 9 + 4\sqrt{\frac{2RI}{9}}$$
2) $\frac{11}{3} = 3 = \frac{2}{3}$
3) $\frac{22}{6} = 3 = \frac{4}{5}$
3) $\frac{22}{6} = 3 = \frac{4}{5}$
6) $\frac{3RY}{4}$

- * Use long division to convert an improper fraction to a mixed number
- * The first number becomes your whole number, the remainder becomes the numerator, and the denominator stays the same!

Practice:

$$\frac{(a) 23}{5} = 4 \frac{3}{5}$$

$$\frac{(b)}{7} = 4 = \frac{2}{7}$$

$$\frac{(c)^{29}}{6} = 4 \frac{5}{6}$$