Y5 Homework

Decimals, fractions, and percentages

Add and Subtract Fractions

1. Add the fractions, shading the fraction parts on the bar models by clicking on them to help you.

$\frac{2}{5} + \frac{1}{5} = \frac{\Box}{\Box}$

$\frac{2}{6} + \frac{3}{6} = \frac{\Box}{\Box}$

$\frac{4}{7} + \frac{5}{7} = \frac{\Box}{\Box}$

$\frac{5}{8} + \frac{2}{8} = \frac{\Box}{\Box}$

$\frac{6}{9} + \frac{4}{9} = \Box\frac{\Box}{\Box}$

2. Subtract the fractions, using the bar models to help you.

$\frac{3}{5} - \frac{1}{5} = \frac{\Box}{\Box}$

$\frac{6}{7} - \frac{2}{7} = \frac{\Box}{\Box}$

$\frac{7}{8} - \frac{3}{8} = \frac{\Box}{\Box}$

$\frac{13}{9} - \frac{4}{9} = \frac{\Box}{\Box}$

$\frac{10}{6} - \frac{5}{6} = \frac{\Box}{\Box}$

3. Tim is adding $\frac{4}{5}$ and $\frac{3}{5}$. He says this is $\frac{7}{10}$ but he is incorrect. Explain why.

4. Find two different ways to make each statement true.

$\frac{\Box}{8} + \frac{\Box}{8} = > \frac{\Box}{8} + \frac{\Box}{8}$

$\frac{\Box}{8} + \frac{\Box}{8} = > \frac{\Box}{8} + \frac{\Box}{8}$

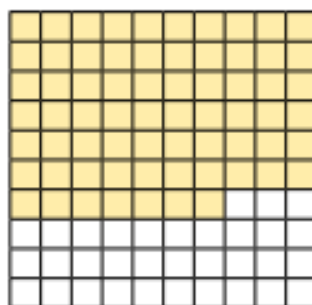$\frac{\Box}{10} + \frac{\Box}{10} = < \frac{\Box}{10} - \frac{\Box}{10}$

$\frac{\Box}{10} + \frac{\Box}{10} = < \frac{\Box}{10} - \frac{\Box}{10}$

Decimals as Fractions (2)

1. Type the decimal and the equivalent fraction shown by each representation.

Ones	tenths	hundredths
		0.01 0.01 0.01 0.01 0.01

☐ = ☐/☐

☐ = ☐/☐

$\frac{1}{100}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{100}$ $\frac{1}{10}$ ☐ = ☐/☐

$\frac{1}{10}$ 0.01 0.01 $\frac{1}{10}$ 0.01 0.01   ☐ = ☐/☐

2. Type each fraction as a decimal.

$\frac{8}{10}$	☐
$\frac{6}{100}$	☐
$\frac{52}{100}$	☐
$\frac{232}{100}$	☐

3. Complete the decimal and fraction expanded forms for each number.

$2.05 = 2 + \boxed{} = 2\frac{\boxed{}}{\boxed{}}$ $2.5 = \boxed{} + \boxed{} = \boxed{} + \frac{\boxed{}}{\boxed{}}$

$2.84 = \boxed{} + \boxed{} + \boxed{} = \boxed{} + \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}}$

$2.58 = \boxed{} + \boxed{} + \boxed{} = \boxed{} + \frac{\boxed{}}{\boxed{}} + \frac{\boxed{}}{\boxed{}}$

4. Jenny says that 0.42 as a fraction is $\frac{42}{10}$. Do you agree? Explain your thinking.