Addition and Subtraction of Fractions

The Boxing Ring

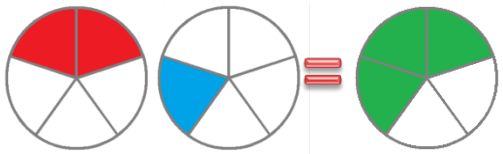
Can you fill in the blanks?

×	20	
	600	
4		20

Calculate the following:

a) 34 x 76 = b) 87 x 56 =

Pieces of Cake



$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$

Write three facts that you can see from the picture above.

Make sure to use the following words:

Addition

Denominator

Practice Plus

$\frac{3}{7} + \frac{2}{7} = \frac{\square}{\square}$ $\frac{3}{8} + \frac{2}{8} = \frac{\square}{\square}$ $\frac{7}{19} + \frac{13}{19} = \frac{\square}{\square}$

$\frac{2}{9} + \frac{5}{9} = \frac{\square}{\square}$ $\frac{7}{17} + \frac{5}{17} = \frac{\square}{\square}$ $\frac{5}{8} + \frac{5}{16} = \frac{\square}{\square}$

Mixed Messages

$$1\frac{2}{5} + 2\frac{3}{7} =$$

Addition and more

Using the broken window method calculate the following:

1) $\frac{1}{5} + \frac{1}{4} =$

2) $\frac{1}{2} + \frac{1}{3} =$

3) $\frac{1}{7} + \frac{1}{8} =$

4) $\frac{3}{5} + \frac{1}{4} =$

5) $\frac{2}{7} + \frac{4}{9} =$

6) $\frac{3}{8} + \frac{4}{7} =$

7) $\frac{1}{7} + \frac{1}{8} =$

8) $\frac{3}{5} - \frac{1}{4} =$

9) $\frac{1}{2} - \frac{1}{3} =$

10) $\frac{6}{7} - \frac{3}{8} =$

11) $\frac{3}{5} - \frac{1}{4} =$

12) $\frac{7}{9} - \frac{3}{7} =$

13) $\frac{7}{8} - \frac{4}{7} =$

14) $\frac{6}{7} - \frac{3}{11} =$

Broken Window

x	2	5
3	[redacted]	15
7	14	35

$$\frac{2}{5} + \frac{3}{7} = \frac{29}{35}$$

Copy this picture in to your books. Write 3 steps, telling an alien, how to add fractions with different denominators.

Practice Plus 2

Mixed practice makes perfect

1) $3\frac{2}{5} + 1\frac{2}{7} =$

2) $5\frac{1}{2} + 2\frac{2}{9} =$

3) $6\frac{5}{7} + 2\frac{1}{8} =$

4) $4\frac{2}{5} + 3\frac{1}{4} =$

5) $6\frac{4}{7} + 5\frac{5}{9} =$

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Silly Subtraction

There may only be a few questions, but be careful the questions are not as simple as they may look.

$2\frac{2}{5} - 6\frac{5}{7} =$

$\frac{5}{7} - \frac{3}{8} =$

$\frac{3}{11} - \frac{3}{4} =$

$7\frac{5}{11} - 3\frac{5}{8} =$

GCSE Corner

Each of the questions below are taken from GCSE examinations. Can you answer them all?

Work out $3\frac{2}{5} - 1\frac{3}{4}$

Work out $4\frac{1}{2} + 1\frac{2}{5}$

A piece of metal is $2\frac{1}{4}$ inches long. Stuart cuts off $\frac{7}{16}$ of an inch. How much is left?

Work out $2\frac{1}{3} + 4\frac{1}{2}$, writing the answer as a fraction.

Work out $2\frac{3}{8} - 1\frac{1}{2}$, giving your answer as a fraction in its lowest terms.

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