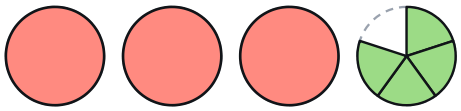
Names (pair) _____ Date _____

Subtracting Mixed Numbers

Example



From 3 whole discs take away 1: 2 are left.

From four fifths take away one fifth: three fifths are left.

$$3\frac{4}{5} - 1\frac{1}{5} = (3 - 1) + \left(\frac{4}{5} - \frac{1}{5}\right) = 2\frac{3}{5}$$

Remember

To subtract, **take the wholes from the wholes** and **the parts from the parts**.

1 ON YOUR OWN Build the first number with discs, take away and write.

$$4\frac{3}{4} - 2\frac{2}{4} = \square + \frac{\square}{4} = \square\frac{\square}{4}$$

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

$$3\frac{5}{6} - 1\frac{4}{6} = \square + \frac{\square}{6} = \square\frac{\square}{6}$$

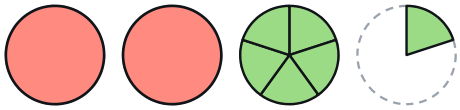
$$6\frac{7}{8} - 3\frac{2}{8} = \square + \frac{\square}{8} = \square\frac{\square}{8}$$

$$2\frac{4}{5} - 1\frac{1}{5} = \square + \frac{\square}{5} = \square\frac{\square}{5}$$

$$5\frac{9}{10} - 2\frac{2}{10} = \square + \frac{\square}{10} = \square\frac{\square}{10}$$

Names (pair) _____ Date _____

Example



We can't take three fifths from one fifth. So we **break one whole disc** into five fifths: $3\frac{1}{5} = 2\frac{6}{5}$.

$$3\frac{1}{5} - 1\frac{3}{5} = 2\frac{6}{5} - 1\frac{3}{5} = 1\frac{3}{5}$$

2 IN PAIRS **Break a whole.** One student breaks a disc and builds, the other writes. Swap roles in every row.

a) $4\frac{1}{3} - 1\frac{2}{3} = \square\frac{\square}{3} - 1\frac{2}{3} = \square\frac{\square}{3}$

b) $5\frac{2}{5} - 2\frac{4}{5} = \square\frac{\square}{5} - 2\frac{4}{5} = \square\frac{\square}{5}$

c) $5\frac{2}{7} - 2\frac{5}{7} = \square\frac{\square}{7} - 2\frac{5}{7} = \square\frac{\square}{7}$

d) $5 - 2\frac{3}{4} = \square\frac{\square}{4} - 2\frac{3}{4} = \square\frac{\square}{4}$

Names (group) _____ Date _____

3 IN A GROUP **Do we need to break a whole?** The group decides first and circles, then each member works out one row. Check with discs.

Subtraction	Break a whole?	Answer
$3\frac{4}{5} - 1\frac{2}{5}$	yes / no	$\square\frac{\square}{5}$
$6\frac{1}{3} - 2\frac{2}{3}$	yes / no	$\square\frac{\square}{3}$
$4\frac{7}{9} - 1\frac{2}{9}$	yes / no	$\square\frac{\square}{9}$
$7\frac{2}{5} - 3\frac{3}{5}$	yes / no	$\square\frac{\square}{5}$
$6\frac{1}{7} - 4\frac{3}{7}$	yes / no	$\square\frac{\square}{7}$
$8\frac{2}{3} - 5\frac{1}{3}$	yes / no	$\square\frac{\square}{3}$

★ ON YOUR OWN **Exit card.** $5\frac{1}{3} - 2\frac{2}{3} = \square\frac{\square}{3} - 2\frac{2}{3} = \square\frac{\square}{3}$