

FRACTIONS & DECIMALS

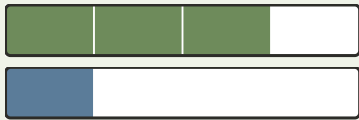
Relationship Lab • Subtract with a Shared Unit

Objective: *Subtract fractions that share a unit, and subtract decimal hundredths.*

DO THIS Make sure both fractions share a unit, then subtract the numerators.

SHARED UNIT Same denominator → subtract the numerators.

EXAMPLE



The unit is fourths.

$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

MODEL THE DIFFERENCE Cross out the parts subtracted, then write the difference.

1



$$\frac{8}{10} - \frac{1}{10} = \square$$

2



$$\frac{9}{10} - \frac{1}{10} = \square$$

3



$$\frac{4}{10} - \frac{1}{10} = \square$$

4



$$\frac{4}{4} - \frac{1}{4} = \square$$

INDEPENDENT PRACTICE Subtract. Keep the same unit.

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

2 $\frac{3}{8} - \frac{2}{8} = \square$

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

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

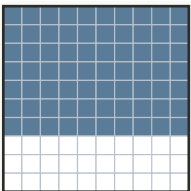
5 $\frac{3}{10} - \frac{1}{10} = \square$

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

7 $\frac{9}{10} - \frac{5}{10} = \square$

8 $\frac{3}{4} - \frac{1}{4} = \square$

DECIMAL HUNDREDTHS Each small square is one hundredth. The shaded squares show the difference.



$$1.00 - 0.30 = \square$$

The unit (denominator): stayed the same told me the part size

TEACHER EDITION

FRACTIONS & DECIMALS

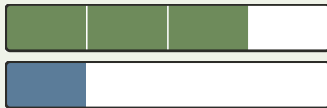
Relationship Lab • Subtract with a Shared Unit

Objective: Subtract fractions that share a unit, and subtract decimal hundredths.

DO THIS Make sure both fractions share a unit, then subtract the numerators.

SHARED UNIT Same denominator → subtract the numerators.

EXAMPLE



The unit is fourths.

$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

MODEL THE DIFFERENCE Cross out the parts subtracted, then write the difference.

1



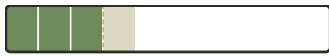
$$\frac{8}{10} - \frac{1}{10} = \frac{7}{10}$$

2



$$\frac{9}{10} - \frac{1}{10} = \frac{8}{10}$$

3



$$\frac{4}{10} - \frac{1}{10} = \frac{3}{10}$$

4



$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

INDEPENDENT PRACTICE Subtract. Keep the same unit.

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

2 $\frac{3}{8} - \frac{2}{8} = \frac{1}{8}$

3 $\frac{6}{8} - \frac{2}{8} = \frac{4}{8}$

4 $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$

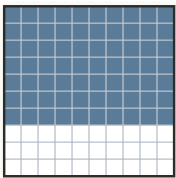
5 $\frac{3}{10} - \frac{1}{10} = \frac{2}{10}$

6 $\frac{6}{10} - \frac{5}{10} = \frac{1}{10}$

7 $\frac{9}{10} - \frac{5}{10} = \frac{4}{10}$

8 $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$

DECIMAL HUNDREDTHS Each small square is one hundredth. The shaded squares show the difference.



$$1.00 - 0.30 = \underline{0.70}$$

TEACHER NOTES Answer key & guidance

Answers: numerator differences over the shared denominator
Common error: Subtracting the denominators too

Strategy: Subtract numerators; the denominator names the unit
Prompt: "What is the unit being counted?"

The unit (denominator): stayed the same told me the part size