FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

FRACTIONS & DECIMALS

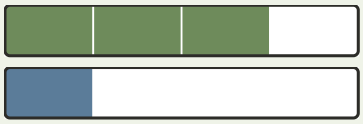
Relationship Lab • Subtract with a Shared Unit

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

$\frac{12}{12} - \frac{4}{12} = \square$

2

$\frac{3}{12} - \frac{2}{12} = \square$

3

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

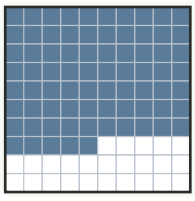
4

$\frac{2}{10} - \frac{1}{10} = \square$

INDEPENDENT PRACTICE Subtract. Keep the same unit.

1. $\frac{8}{10} - \frac{3}{10} = \square$
2. $\frac{4}{8} - \frac{2}{8} = \square$
3. $\frac{2}{12} - \frac{1}{12} = \square$
4. $\frac{10}{12} - \frac{6}{12} = \square$
5. $\frac{3}{8} - \frac{2}{8} = \square$
6. $\frac{8}{8} - \frac{5}{8} = \square$
7. $\frac{5}{10} - \frac{2}{10} = \square$
8. $\frac{2}{4} - \frac{1}{4} = \square$

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



1.00 − 0.25 = ☐

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

FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

TEACHER EDITION

FRACTIONS & DECIMALS

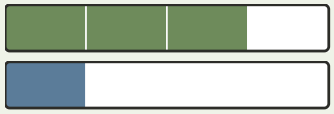
Relationship Lab • Subtract with a Shared Unit

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.

$\frac{12}{12} - \frac{4}{12} = \frac{8}{12}$

2.

$\frac{3}{12} - \frac{2}{12} = \frac{1}{12}$

3.

$\frac{9}{10} - \frac{2}{10} = \frac{7}{10}$

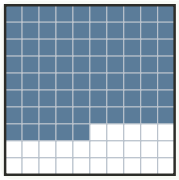
4.

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

INDEPENDENT PRACTICE Subtract. Keep the same unit.

1. $\frac{8}{10} - \frac{3}{10} = \frac{5}{10}$
2. $\frac{4}{8} - \frac{2}{8} = \frac{2}{8}$
3. $\frac{2}{12} - \frac{1}{12} = \frac{1}{12}$
4. $\frac{10}{12} - \frac{6}{12} = \frac{4}{12}$
5. $\frac{3}{8} - \frac{2}{8} = \frac{1}{8}$
6. $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$
7. $\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$
8. $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$

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



1.00 − 0.25 = 0.75

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