

## RELATIONAL SUBTRACTION

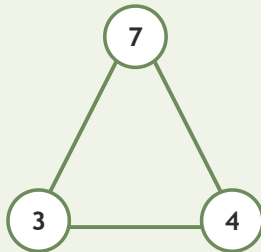
Worksheet 3 • Connect the Number Family

Objective: Use addition and subtraction facts that belong together.

**DO THIS** Use the three numbers to write the whole fact family.

**EXAMPLE** Use the same numbers to complete every related equation.

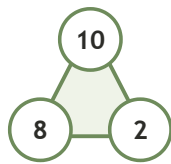
**EXAMPLE**



$$\begin{aligned} 3 + 4 &= 7 \\ 4 + 3 &= 7 \\ 7 - 3 &= 4 \\ 7 - 4 &= 3 \end{aligned}$$

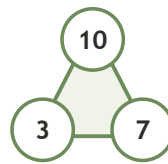
**GUIDED PRACTICE** Complete each fact family.

1



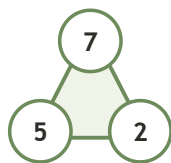
$$\begin{aligned} 8 + 2 &= \square \\ 2 + 8 &= \square \\ 10 - 8 &= \square \\ 10 - 2 &= \square \end{aligned}$$

2



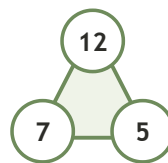
$$\begin{aligned} 3 + 7 &= \square \\ 7 + 3 &= \square \\ 10 - 3 &= \square \\ 10 - 7 &= \square \end{aligned}$$

3



$$\begin{aligned} 5 + 2 &= \square \\ 2 + 5 &= \square \\ 7 - 5 &= \square \\ 7 - 2 &= \square \end{aligned}$$

4



$$\begin{aligned} 7 + 5 &= \square \\ 5 + 7 &= \square \\ 12 - 7 &= \square \\ 12 - 5 &= \square \end{aligned}$$

**INDEPENDENT PRACTICE** Write the missing fact.

1  $14 - \square = 13$

2  $\square - 14 = 2$

3  $11 - 4 = \square$

4  $8 + \square = 15$

5  $9 - \square = 2$

6  $\square - 2 = 11$

**BUILD IT BACK** Prove the subtraction with addition.

1  $8 - 1 = \square$   
Check:  $1 + \square = 8$

2  $16 - 9 = \square$   
Check:  $9 + \square = 16$

3  $11 - 2 = \square$   
Check:  $2 + \square = 11$

I connected:  addition  subtraction  both

TEACHER EDITION

## RELATIONAL SUBTRACTION

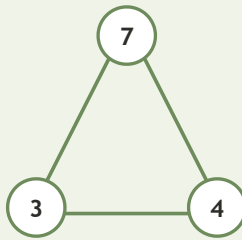
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Objective: Use addition and subtraction facts that belong together.

**DO THIS** Use the three numbers to write the whole fact family.

**EXAMPLE** Use the same numbers to complete every related equation.

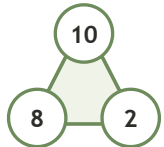
EXAMPLE



$$\begin{aligned} 3 + 4 &= 7 \\ 4 + 3 &= 7 \\ 7 - 3 &= 4 \\ 7 - 4 &= 3 \end{aligned}$$

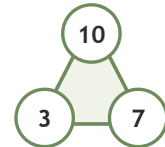
**GUIDED PRACTICE** Complete each fact family.

1



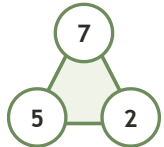
$$\begin{aligned} 8 + 2 &= \underline{10} \\ 2 + 8 &= \underline{10} \\ 10 - 8 &= \underline{2} \\ 10 - 2 &= \underline{8} \end{aligned}$$

2



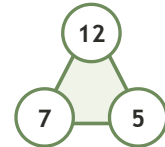
$$\begin{aligned} 3 + 7 &= \underline{10} \\ 7 + 3 &= \underline{10} \\ 10 - 3 &= \underline{7} \\ 10 - 7 &= \underline{3} \end{aligned}$$

3



$$\begin{aligned} 5 + 2 &= \underline{7} \\ 2 + 5 &= \underline{7} \\ 7 - 5 &= \underline{2} \\ 7 - 2 &= \underline{5} \end{aligned}$$

4



$$\begin{aligned} 7 + 5 &= \underline{12} \\ 5 + 7 &= \underline{12} \\ 12 - 7 &= \underline{5} \\ 12 - 5 &= \underline{7} \end{aligned}$$

**INDEPENDENT PRACTICE** Write the missing fact.

1  $14 - \underline{1} = 13$

2  $\underline{16} - 14 = 2$

3  $11 - 4 = \underline{7}$

4  $8 + \underline{7} = 15$

5  $9 - \underline{7} = 2$

6  $\underline{13} - 2 = 11$

**BUILD IT BACK** Prove the subtraction with addition.

1  $8 - 1 = \underline{7}$   
Check:  $1 + \underline{7} = 8$

2  $16 - 9 = \underline{7}$   
Check:  $9 + \underline{7} = 16$

3  $11 - 2 = \underline{9}$   
Check:  $2 + \underline{9} = 11$

**TEACHER NOTES** Answer key & guidance

Answers: 1, 16, 7, 7, 7, 13  
Common error: Treating addition and subtraction as unrelated rules

Strategy: Part + part = whole; whole - part = part  
Prompt: "What whole do these two parts build?"

I connected:  addition  subtraction  both

