FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

RELATIONAL SUBTRACTION

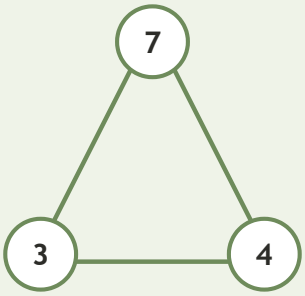
Worksheet 3 • Connect the Number Family

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.

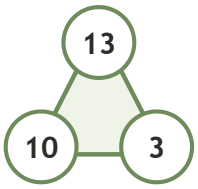
EXAMPLE



3 + 4 = 7
4 + 3 = 7
7 − 3 = 4
7 − 4 = 3

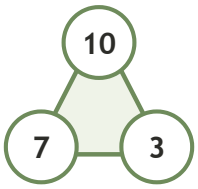
GUIDED PRACTICE Complete each fact family.

1



10 + 3 = ☐
3 + 10 = ☐
13 − 10 = ☐
13 − 3 = ☐

2



7 + 3 = ☐
3 + 7 = ☐
10 − 7 = ☐
10 − 3 = ☐

INDEPENDENT PRACTICE Write the missing fact.

1. 14 − ☐ = 5
2. ☐ − 6 = 7
3. 8 − 1 = ☐
4. 9 + ☐ = 17
6. ☐ − 2 = 13
7. 17 − 11 = ☐
8. 5 + ☐ = 13
9. 18 − ☐ = 12

BUILD IT BACK Prove the subtraction with addition.

1. 16 − 13 = ☐
   Check: 13 + ☐ = 16
2. 9 − 1 = ☐
   Check: 1 + ☐ = 9
3. 10 − 6 = ☐
   Check: 6 + ☐ = 10

I connected: ☐ addition ☐ subtraction ☐ both

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TEACHER EDITION

RELATIONAL SUBTRACTION

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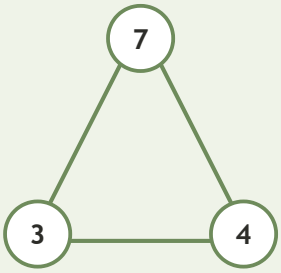
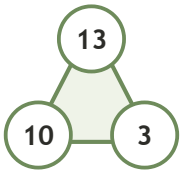


3 + 4 = 7
4 + 3 = 7
7 − 3 = 4
7 − 4 = 3

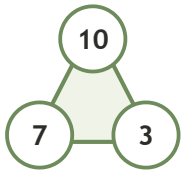
GUIDED PRACTICE Complete each fact family.

1.



10 + 3 = 13
3 + 10 = 13
13 − 10 = 3
13 − 3 = 10

2.



7 + 3 = 10
3 + 7 = 10
10 − 7 = 3
10 − 3 = 7

INDEPENDENT PRACTICE Write the missing fact.

1. 14 − 9 = 5
2. 13 − 6 = 7
3. 8 − 1 = 7
4. 9 + 8 = 17
5. 13 − 7
6. 15 − 2 = 13
7. 17 − 11 = 6
8. 5 + 8 = 13
9. 18 − 6 = 12
10. 14 − 10

BUILD IT BACK Prove the subtraction with addition.

1. 16 − 13 = 3
   Check: 13 + 3 = 16
2. 9 − 1 = 8
   Check: 1 + 8 = 9
3. 10 − 6 = 4
   Check: 6 + 4 = 10

TEACHER NOTES Answer key & guidance

Answers: 9, 13, 7, 8, 7, 15, 6, 8, 6, 14
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