FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

RELATIONAL SUBTRACTION

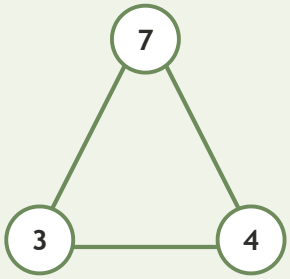
Worksheet 3 • Connect the Number Family

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.

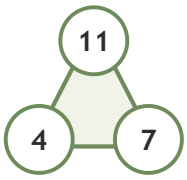
EXAMPLE



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

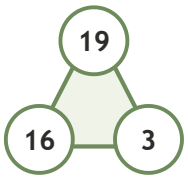
GUIDED PRACTICE Complete each fact family.

1.



4 + 7 = ☐
7 + 4 = ☐
11 − 4 = ☐
11 − 7 = ☐

2.



16 + 3 = ☐
3 + 16 = ☐
19 − 16 = ☐
19 − 3 = ☐

INDEPENDENT PRACTICE Write the missing fact.

1. 18 − ☐ = 17	2. ☐ − 4 = 10	3. 9 − 2 = ☐	4. 15 + ☐ = 20
5. 18 − ☐ = 11	6. ☐ − 5 = 3	7. 15 − 8 = ☐	8. 6 + ☐ = 11
9. 11 − ☐ = 6	10. ☐ − 3 = 17	11. 15 − 12 = ☐	12. 18 + ☐ = 19

BUILD IT BACK Prove the subtraction with addition.

1. 10 − 7 = ☐
   Check: 7 + ☐ = 10
2. 8 − 1 = ☐
   Check: 1 + ☐ = 8
3. 9 − 4 = ☐
   Check: 4 + ☐ = 9

I connected: ☐ addition ☐ subtraction ☐ both

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TEACHER EDITION

RELATIONAL SUBTRACTION

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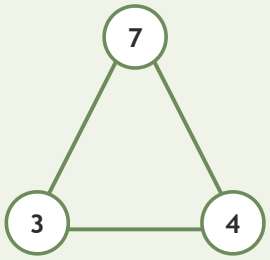
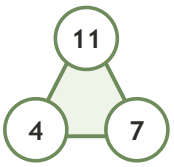


3 + 4 = 7
4 + 3 = 7
7 − 3 = 4
7 − 4 = 3

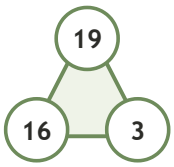
GUIDED PRACTICE Complete each fact family.

1



4 + 7 = 11
7 + 4 = 11
11 − 4 = 7
11 − 7 = 4

2



16 + 3 = 19
3 + 16 = 19
19 − 16 = 3
19 − 3 = 16

INDEPENDENT PRACTICE Write the missing fact.

1 18 − 1 = 17	2 14 − 4 = 10	3 9 − 2 = 7	4 15 + 5 = 20
5 18 − 7 = 11	6 8 − 5 = 3	7 15 − 8 = 7	8 6 + 5 = 11
9 11 − 5 = 6	10 20 − 3 = 17	11 15 − 12 = 3	12 18 + 1 = 19

BUILD IT BACK Prove the subtraction with addition.

1 10 − 7 = 3
Check: 7 + 3 = 10

2 8 − 1 = 7
Check: 1 + 7 = 8

3 9 − 4 = 5
Check: 4 + 5 = 9

TEACHER NOTES Answer key & guidance

Answers: 1, 14, 7, 5, 7, 8, 7, 5, 5, 20
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