FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

RELATIONAL SUBTRACTION

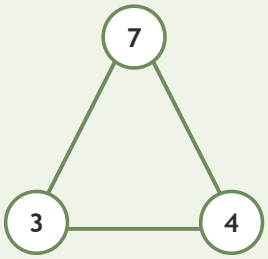
Worksheet 3 • Connect the Number Family

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.

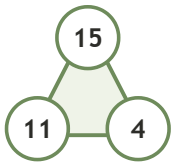
EXAMPLE



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

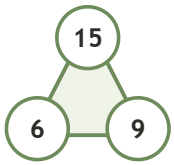
GUIDED PRACTICE Complete each fact family.

1.



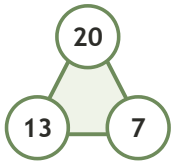
11 + 4 = ☐
4 + 11 = ☐
15 − 11 = ☐
15 − 4 = ☐

2.



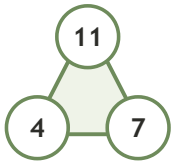
6 + 9 = ☐
9 + 6 = ☐
15 − 6 = ☐
15 − 9 = ☐

3.



13 + 7 = ☐
7 + 13 = ☐
20 − 13 = ☐
20 − 7 = ☐

4.



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

INDEPENDENT PRACTICE Write the missing fact.

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

BUILD IT BACK Prove the subtraction with addition.

1. 18 − 2 = ☐
   Check: 2 + ☐ = 18
2. 11 − 9 = ☐
   Check: 9 + ☐ = 11
3. 15 − 8 = ☐
   Check: 8 + ☐ = 15

I connected: ☐ addition ☐ subtraction ☐ both

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TEACHER EDITION

RELATIONAL SUBTRACTION

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

EXAMPLE Use the same numbers to complete every related equation.

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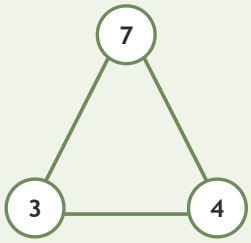
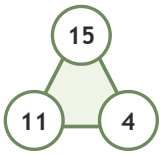


3 + 4 = 7
4 + 3 = 7
7 − 3 = 4
7 − 4 = 3

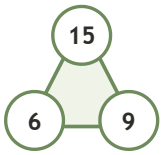
GUIDED PRACTICE Complete each fact family.

1.



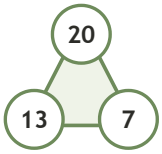
11 + 4 = 15
4 + 11 = 15
15 − 11 = 4
15 − 4 = 11

2.



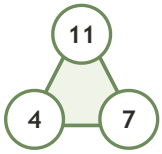
6 + 9 = 15
9 + 6 = 15
15 − 6 = 9
15 − 9 = 6

3.



13 + 7 = 20
7 + 13 = 20
20 − 13 = 7
20 − 7 = 13

4.



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

INDEPENDENT PRACTICE Write the missing fact.

1. 12 − 3 = 9
2. 20 − 5 = 15
3. 17 − 4 = 13
4. 2 + 12 = 14
5. 10 − 6 = 4
6. 8 − 2 = 6
7. 13 − 12 = 1
8. 3 + 6 = 9

BUILD IT BACK Prove the subtraction with addition.

1. 18 − 2 = 16
   Check: 2 + 16 = 18
2. 11 − 9 = 2
   Check: 9 + 2 = 11
3. 15 − 8 = 7
   Check: 8 + 7 = 15

TEACHER NOTES Answer key & guidance

Answers: 3, 20, 13, 12, 6, 8, 1, 6
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