FAITH THINKERS
Traditional Arithmetic & Logic

Name: _____

LABORATORY · L5

# COMPOSE & DECOMPOSE

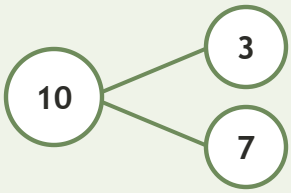
Part–Part–Whole • Explain

Objective: *Prove the parts rebuild the whole.*

**DO THIS** Add the two parts. Do they make the whole?

**PROVE** Put the parts together.

**EXAMPLE**



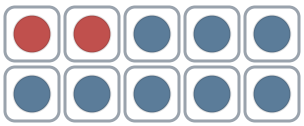

3 + 7 = 10

**COMPLETE AND CHECK** Find the part, then check.

1. 3 + ☐ = 10
   10 − 3 = ☐
2. 5 + ☐ = 10
   10 − 5 = ☐
3. 6 + ☐ = 10
   10 − 6 = ☐

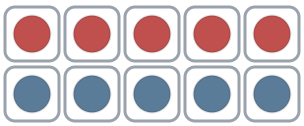
**ON THE FRAME** Build the whole two ways.

1.



2 + ☐ = 10

2.



5 + ☐ = 10

Two parts make: ☐ the same whole ☐ different ways ☐ ten

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TEACHER EDITION

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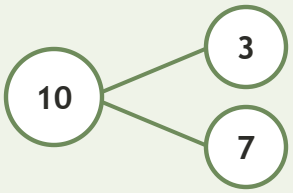
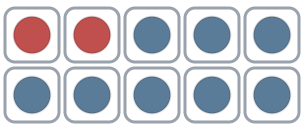
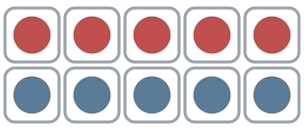



3 + 7 = 10

**COMPLETE AND CHECK** Find the part, then check.

1. 3 + 7 = 10
   10 − 3 = 7
2. 5 + 5 = 10
   10 − 5 = 5
3. 6 + 4 = 10
   10 − 6 = 4

**ON THE FRAME** Build the whole two ways.

1. 
   2 + 8 = 10
2. 
   5 + 5 = 10

**TEACHER NOTES** Answer key & guidance

Answers: see page

Common error: Accepting an answer without checking it.

Strategy: Accept matching, counting, or rebuilding as valid proof.

Prompt: "Show me how you know."

Two parts make: ☐ the same whole ☐ different ways ☐ ten