

Keep a Constant Difference

Part A - Build and Use the Strategy

AR-U1-WS12

I can move both numbers the same amount to make subtraction easier.

Name: _____

Date: _____

Period: _____

Step 1: See Why the Difference Stays the Same

TRIP ODOMETER

START	END
000029	000064

Example: 64 - 29

Add 1 to both numbers.

$$65 - 30 = 35$$

Both numbers moved 1. Their distance stayed 35.

Answer: 35 miles

Step 2: Move Both Numbers Together

1. Solve 82 - 38.

1. Add 2 to both numbers.

2. 82 - 38 becomes 84 - 40.

3. Solve the easier problem: _____

2. Solve 71 - 19.

1. Add 1 to both numbers.

2. 71 - 19 becomes 72 - 20.

3. Solve the easier problem: _____

BASKETBALL SCOREBOARD

HOME	VISITOR
68	29

3. How many more points does HOME have?

Add 1 to both scores: 69 - 30

Point difference: _____

4. Which matches 71 - 19?

Circle: A. 72 - 20 B. 72 - 19

5. Complete the move.

72 - 39

Add 1 to both: _____ - _____

The difference stays the same.

Answer: _____

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Part A - Build and Use the Strategy

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I can move both numbers the same amount to make subtraction easier.

Step 3: Use the Strategy in Real Life

TRIP ODOMETER

START 000047	END 000093
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6. Miles traveled: _____

7. SALE PRICE

\$56 - \$28

Add 2 to both: $58 - 30$

New price: \$ _____

Step 4: Decide, Fix, and Explain

8. TRUE OR FALSE?

$75 - 39 = 76 - 40$

Circle: True False

9. FIX THE MISTAKE

$88 - 49$ becomes $89 - 50$.

A student says the answer is 49.

Solve $89 - 50$.

Correct answer: _____

10. Solve $62 - 27$ by keeping the difference the same.

Add _____ to both numbers: $65 - 30$

$65 - 30 =$ _____

Final answer: _____

TEACHER CHECKPOINT

Your teacher will tell you whether to stop here or continue to Part B.

Keep a Constant Difference

Part B - Apply, Analyze, and Explain

AR-U1-WS12

I can move both numbers the same amount to make subtraction easier.

Step 5: Apply the Strategy

11. Solve $90 - 46$.

Add 4 to both numbers.

$$94 - 50 = \underline{\hspace{2cm}}$$

Answer: $\underline{\hspace{2cm}}$

12. Best move for $53 - 18$?

A. Add 2 to both numbers

B. Add 2 to 53 only

Circle A or B.

TRIP ODOMETER

START

000018

END

000053

13. How many miles were traveled?

Move both readings to make 20.

Miles: $\underline{\hspace{2cm}}$

Step 6: Show the Equal Move

14. Solve $64 - 29$.

Add $\underline{\hspace{1cm}}$ to both numbers: $\underline{\hspace{1cm}} - \underline{\hspace{1cm}}$

The difference is $\underline{\hspace{2cm}}$.

Step 7: Fix and Explain

15. FIX THE MISTAKE

For $84 - 39$, a student adds 1 to 39 but does not change 84.

What must happen to 84? $\underline{\hspace{2cm}}$

Correct easy problem: $\underline{\hspace{2cm}}$

16. Solve and explain $92 - 48$.

Add $\underline{\hspace{1cm}}$ to both numbers.

Easy problem: $\underline{\hspace{1cm}} - \underline{\hspace{1cm}}$

Answer: $\underline{\hspace{2cm}}$

Why does the difference stay equal? $\underline{\hspace{4cm}}$