

True or False Equations

Name _____

Grade 1 · Decide if an equation is true, and fix the ones that are false

Work out each side on its own. Then check: are the two amounts the same?

$5 + 2 = 4 + 3$: $5 + 2$ is 7 and $4 + 3$ is 7. Both sides are 7, so it is **true**.

$6 + 1 = 5 + 3$: one side is 7 and the other side is 8, so it is **false**.

A. Write what each side makes. Circle true or false.

1

$$5 + 2 = 4 + 3$$

true

false

2

$$6 + 1 = 5 + 3$$

true

false

3

$$3 + 8 = 8 + 3$$

true

false

4

$$9 - 3 = 2 + 5$$

true

false

5

$$10 - 4 = 3 + 3$$

true

false

6

$$7 + 5 = 6 + 6$$

true

false

7

$$8 + 4 = 9 + 2$$

true

false

8

$$12 - 5 = 14 - 6$$

true

false

B. These equations are false. Change the last number to make each one true.

$$6 + 3 = 8 \rightarrow 6 + 3 = \underline{\quad}$$

$$12 - 4 = 9 \rightarrow 12 - 4 = \underline{\quad}$$

$$7 + 7 = 13 \rightarrow 7 + 7 = \underline{\quad}$$

$$16 - 6 = 11 \rightarrow 16 - 6 = \underline{\quad}$$

C. Circle every equation that is true.

$$9 = 9$$

$$4 + 4 = 9$$

$$13 = 6 + 7$$

$$2 + 7 = 7 + 2$$

$$10 - 1 = 8$$

$$5 = 11 - 5$$

True or False Equations (Answer Key)

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A. Write what each side makes. Circle true or false.

1

$$5 + 2 = 4 + 3$$

7 7

true

false

2

$$6 + 1 = 5 + 3$$

7 8

true

false

3

$$3 + 8 = 8 + 3$$

11 11

true

false

4

$$9 - 3 = 2 + 5$$

6 7

true

false

5

$$10 - 4 = 3 + 3$$

6 6

true

false

6

$$7 + 5 = 6 + 6$$

12 12

true

false

7

$$8 + 4 = 9 + 2$$

12 11

true

false

8

$$12 - 5 = 14 - 6$$

7 8

true

false

B. These equations are false. Change the last number to make each one true.

$$6 + 3 = 8 \quad \rightarrow \quad 6 + 3 = \underline{9}$$

$$12 - 4 = 9 \quad \rightarrow \quad 12 - 4 = \underline{8}$$

$$7 + 7 = 13 \quad \rightarrow \quad 7 + 7 = \underline{14}$$

$$16 - 6 = 11 \quad \rightarrow \quad 16 - 6 = \underline{10}$$

C. Circle every equation that is true.

$$9 = 9$$

$$4 + 4 = 9$$

$$13 = 6 + 7$$

$$2 + 7 = 7 + 2$$

$$10 - 1 = 8$$

$$5 = 11 - 5$$