

Homework

Activity 1

Prove that the sides of the equations are equal by simplifying.

1. $8 + 5 \cdot 2 = 6 \cdot 3$

2. $2 \cdot 5 + 1 + 1 = 3 + 7 + 2$

3. $9^2 - 5 + 2 = 40 + 41 + -3$

4. $1 + 2 + 3 - 1 = 40 \div (9 - 1)$

Activity 2

Write an expression that will balance the right side of the equation with the left side. Use the operation given.

Model $3(4 \cdot 2) = \underline{\quad} - 6$

Answer: 30

Reasoning:

$$3(4 \cdot 2) = 3 \cdot 8 = 24$$

$$\underline{\quad} - 6 = 24$$

$$30 - 6 = 24$$

1. $25 \div (2 + 3) = 17 - \underline{\quad}$

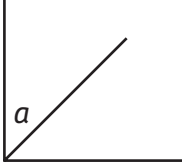
2. $8 + 9 - 7 = 100 \div \underline{\quad}$

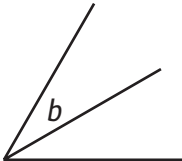
3. $37 - 3 \cdot 3 = \underline{\quad} \cdot 4$

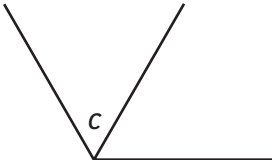
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Activity 3

Tell the measurement of each bisected angle.

1.  If the large angle is 90 degrees, what is the measure of $\angle a$?

2.  If the large angle is 60 degrees, what is the measure of $\angle b$?

3.  If the large angle is 120 degrees, what is the measure of $\angle c$?

4.  If the large angle is 20 degrees, what is the measure of $\angle d$?

Activity 4 • Distributed Practice

Solve.

- $\frac{2}{3} - \frac{1}{9}$
- $\frac{2}{3} \div \frac{1}{9}$
- $-8 - -5$
- $(6 \div 3) + 6 \cdot 2$
- $4^2 - 3^2$
- $2^2 \cdot 1^2$
- $(-6 + -3) + (4 \cdot -2)$
- Simplify using the distributive property: $4(x - 1)$