

Homework Practice

4AF2.2

Balanced Equations

Tell whether each equation is balanced. Explain.

- $4 \times 4 = 2 \times 2 \times 4$ _____
- $4 \times 6 \div 8 = (8 \times 2) \div 8$ _____
- $8 \times 3 \times 2 = 6 \times 4 \times 2$ _____
- $48 \div 4 = (8 \times 3) \div 2$ _____

Complete each equation to make it balanced.

- $4 \times (7 - 3) = \underline{\hspace{2cm}} \times 2$
- $\underline{\hspace{2cm}} \div (8 - 5) = (3 - 2) \times 4$
- Megan scores 5 baskets every quarter. Alexis scores 3 baskets every quarter. Megan played 6 quarters this week. Use the equation $5 \times 6 = 3 \times q$ to find how many quarters Alexis must play to score the same number of baskets. _____

Spiral Review

Write a rule as an equation for the pattern in each table. Then find the next two numbers in each pattern. (Lesson 6-6)

8.

Rule: _____	
Input (a)	Output (b)
3	1
6	2
9	3
12	
15	

9.

Rule: _____	
Input (c)	Output (d)
3	12
6	24
9	36
12	
15	