HOMEWORK

8.8 Worksheet

Use the Distributive Property to simplify.

1. $\frac{4}{5}\left(15 - \frac{3}{5}\right) =$ _____

2. $\frac{5}{8}\left(10 - \frac{3}{4}\right) =$ _____

3. $\frac{1}{2}\left(14 - \frac{1}{4}\right) =$ _____

Evaluate when $n = \frac{1}{2}$.

4. $\frac{3}{8} \div \left(n + 1\frac{1}{4}\right) =$ _____

5. $\frac{3}{5} + 0.8n =$ _____

6. $n \cdot \left(\frac{2}{3} - \frac{1}{6}\right)^2 =$ _____

Problem Solving

7. Simplify the expression $\left(6\frac{1}{3} - 4\right) \div \frac{3}{4}$ and describe the steps you use.

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8. A recipe for a loaf of bread calls for $1\frac{1}{3}$ c nuts added to the dough and an additional $\frac{1}{4}$ c sprinkled onto the top. Bobby is making 3 loaves of bread. Simplify the expression $3\left(1\frac{1}{3} + \frac{1}{4}\right)$ to find how many cups of nuts he needs in all.

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Write About It

9. How is the Distributive Property when used with subtraction similar to the Distributive Property when used with addition? How is it different?

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