

Unit 1 – The Number System

Homework

CCSS: 7.NS.1.d

 Practice

Directions: For questions 1 through 6, write the property that is represented by the given equation.

1. $0 + \frac{7}{12} = \frac{7}{12}$ _____

2. $5.4 + 2.9 = 2.9 + 5.4$ _____

3. $(9\frac{1}{2} + 3\frac{3}{4}) + 4\frac{1}{4} = 9\frac{1}{2} + (3\frac{3}{4} + 4\frac{1}{4})$ _____

4. $-6.1 + 0 = -6.1$ _____

5. $\frac{-9}{10} + \frac{1}{2} = \frac{1}{2} + (\frac{-9}{10})$ _____

6. $8.2 + (4.9 + 3.8) = (8.2 + 4.9) + 3.8$ _____

Directions: For questions 7 through 10, complete each equation to make it a true statement.

7. $(5.5 + 7.1) + 6.5 = 5.5 + (7.1 + \underline{\hspace{2cm}})$

8. $-21 + \underline{\hspace{2cm}} = -21$

9. $\frac{3}{8} + \frac{7}{8} = \underline{\hspace{2cm}} + \frac{3}{8}$

10. $(2\frac{3}{10} + 7\frac{1}{5}) + 9\frac{7}{10} = 2\frac{3}{10} + (\underline{\hspace{2cm}} + 9\frac{7}{10})$

 Practice

Directions: For questions 1 through 6, write the property that is represented by the given equation.

1. $1 \cdot \frac{4}{5} = \frac{4}{5}$ _____

2. $3.4 \cdot 6.9 = 6.9 \cdot 3.4$ _____

3. $(2\frac{1}{2} \cdot 3\frac{3}{8}) \cdot 5\frac{1}{3} = 2\frac{1}{2} \cdot (3\frac{3}{8} \cdot 5\frac{1}{3})$ _____

4. $-\frac{4}{5} \cdot \frac{3}{4} = \frac{3}{4} \cdot (-\frac{4}{5})$ _____

5. $2.5 \cdot (2 \cdot 6.3) = (2.5 \cdot 2) \cdot 6.3$ _____

6. $\frac{1}{4} \cdot (\frac{5}{6} + \frac{1}{2}) = \frac{1}{4} \cdot \frac{5}{6} + \frac{1}{4} \cdot \frac{1}{2}$ _____

Directions: For questions 7 through 11, complete each equation to make it a true statement.

7. $(3.5 \cdot 6.4) \cdot 5.2 = 3.5 \cdot (6.4 \cdot \underline{\hspace{2cm}})$

8. $-17 \cdot \underline{\hspace{2cm}} = -17$

9. $1\frac{3}{10} \cdot 2\frac{4}{5} = \underline{\hspace{2cm}} \cdot 1\frac{3}{10}$

10. $(\frac{2}{3} \cdot \frac{1}{5}) \cdot 15 = \frac{2}{3} \cdot (\underline{\hspace{2cm}} \cdot 15)$

11. $2.8 \cdot (5.6 + \underline{\hspace{2cm}}) = 2.8 \cdot 5.6 + 2.8 \cdot 8.4$