

# Worksheet of the Week

January 23 - 27, 2017

1. Change these improper fractions into mixed numbers, simplify if necessary.

$$\frac{24}{5} = \underline{\hspace{2cm}} \quad \frac{26}{4} = \underline{\hspace{2cm}} \quad \frac{27}{6} = \underline{\hspace{2cm}}$$

2. Change these mixed numbers into improper fractions.

$$7\frac{2}{3} = \underline{\hspace{2cm}} \quad 8\frac{1}{5} = \underline{\hspace{2cm}} \quad 12\frac{3}{4} = \underline{\hspace{2cm}}$$

3. Provide the Divisibility Rule for each number listed below:

2:

---

3:

---

5:

---

6:

---

9:

---

10:

---

4. What is the Least Common Multiple of 4 and 8?
5. What is the Greatest Common Factor of 4 and 8?

6. Aleks has a hat box that holds all of his hats. His hat box is 12 feet long, 5 feet high and 3 feet wide. What is the Volume of Aleks' Box?
7. Jonathan simplified a numerical expression. The expression had two pairs of parentheses. The expression is written below.

$$\frac{9(20-(5 \times 3))}{3}$$

What is the value of the above expression?

8. Tracy took a quiz containing 12 items. If she answered  $\frac{5}{6}$  of the items correctly, how many items did she answer correctly?
9. A school wants to make a new playground by cleaning up an abandoned lot that is shaped like a rectangle. The students decide to use  $\frac{3}{4}$  of the playground for a basketball court and  $\frac{1}{5}$  of the playground for a soccer field. How much is left for the swings and play equipment?  
 F )  $\frac{38}{40}$                   G)  $\frac{19}{20}$                   H)  $\frac{1}{20}$                   J ) Not here

10. Consider the following expression:

$$\frac{(16-2 \cdot 4) \div 2}{51-27}$$

Which of the following represents this expression after a possible first step in the simplifying phase?

**A**  $\frac{(14 \cdot 4) \div 2}{51-27}$

**B**  $\frac{(16-2 \cdot 2)}{51-27}$

**C**  $\frac{(16-8) \div 2}{51-27}$

**D**  $\frac{(8-2 \cdot 4)}{51-27}$