

Unit 0: Review

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Lesson 1: Integer Review

Add

- Same sign: add and keep the sign

$$-3 + (-2) = -5$$

- different sign: subtract and keep sign of larger magnitude

$$-4 + 8 = 4$$

$$2 + (-7) = -5$$

Subtract

- Use CCO first!

* Copy change Opposite *

- Then follow addition

rules

$$5 - (-15) = ?$$

C C O

$$5 + 15 = ?$$

$$5 + 15 = 20$$

Integers

whole numbers and
their opposites

Multiply

- Same sign: answer is positive

$$2 \times 5 = 10$$

$$-2 \times -5 = 10$$

- different sign: answer is negative

$$3 \times (-3) = -9$$

$$(-3) \times 3 = -9$$

Divide

- Same sign: answer is positive

$$\frac{15}{3} = 5$$

$$\frac{-15}{-3} = 5$$

- different sign: answer is negative

$$\frac{-27}{9} = -3$$

$$\frac{27}{-9} = -3$$

Decimal and Fraction Practice

pg. 2

Add

1. $-3.5 + 0.8 = -2.7$

$$\begin{array}{r} 3.5 \\ - 0.8 \\ \hline 2.7 \end{array}$$

2. $\frac{3}{4} + \frac{2}{3}$

$$\frac{9}{12} + \frac{8}{12} = \frac{17}{12} \text{ or } 1\frac{5}{12}$$

Subtract

3. $\underset{c}{8.4} - \underset{c}{(-2.7)} =$

$$8.4 + 2.7 = 11.1$$

$$\begin{array}{r} 8.4 \\ + 2.7 \\ \hline 11.1 \end{array}$$

4. $\underset{c}{\frac{1}{2}} - \underset{c}{\frac{5}{6}}$

$$\frac{1}{2} + \left(-\frac{5}{6}\right)$$

$$\frac{3}{6} + \left(-\frac{5}{6}\right) = -\frac{2}{6} = -\frac{1}{3}$$

Multiply

5. $5.6 \times (-3.2) = -17.92$

$$\begin{array}{r} 5.6 \\ \times 3.2 \\ \hline 11.2 \\ 1680 \\ \hline 17.92 \end{array}$$

6. $-\frac{2}{3} \times -\left(\frac{1}{2}\right) = \frac{2}{6} = \frac{1}{3}$

Divide

7. $\left(-\frac{2}{3}\right) \div \frac{7}{8}$

$$-\frac{2}{3} \times \frac{8}{7} = -\frac{16}{21}$$

8. $-\frac{6}{5} \div -\frac{10}{11}$

$$-\frac{6}{5} \times -\frac{11}{10} = \frac{66}{50}$$