

Sample Grade 6 Independent Practice Assignment Sheet: Unit Review

| Essential Learning Standards | |
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| <ul style="list-style-type: none"> • I can divide fractions and solve word problems involving division of fractions. (1.1) • I can add, subtract, multiply, and divide multidigit decimals. (1.2) • I can write and evaluate numerical expressions involving exponents. (1.3) | |
| Unit 1—Operations with Real Numbers | |
| <p>Skills Practice</p> <p>Solve.</p> <p>a. $\frac{2}{5} \div \frac{1}{5}$</p> <p>b. $\frac{2}{3} \div \frac{3}{4}$</p> <p>c. $\frac{6}{7} \div \frac{1}{8}$</p> <p>d. $3\frac{2}{5} \div 1\frac{1}{10}$</p> | <p>Skills Practice</p> <p>Solve.</p> <p>a. $13.79 + 28.4$</p> <p>b. $9.02 - 6.87$</p> <p>c. 14.3×6.1</p> <p>d. $51.9 \div 17.3$</p> |
| <p>1. Timothy has a 10-pound bag of ice to use at his lemonade stand. If each cup of lemonade requires $\frac{1}{3}$ pounds of ice, how many cups of lemonade can Timothy keep cold? Explain how you determined your answer. (1.1)</p> | <p>2. For your birthday party, your father buys $4\frac{1}{2}$ gallons of ice cream to serve to guests. If each serving of ice cream is $\frac{3}{4}$ cup of ice cream, how many guests can your father serve? (1.1)</p> |
| <p>3. Samantha is saving to buy a new bicycle that costs \$128.76. She has already saved \$73.90. How much more does Samantha have to save? (1.2)</p> | <p>4. Jamaal is heading to the Sunday market to purchase produce for the week. He plans to purchase 3.25 pounds of potatoes, 1.5 pounds of carrots, 2.75 pounds of celery, and 0.75 pounds of tomatoes. Use the following market advertisement to determine how much Jamaal will spend on produce. (1.2)</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content; text-align: center;"> <p>Produce Prices</p> <p>Potatoes \$1.19 per pound</p> <p>Carrots \$1.25 per pound</p> <p>Celery \$0.50 per pound</p> <p>Tomatoes \$2.75 per pound</p> </div> |

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| <p>5. Melissa is purchasing earrings at a cost of \$17.30. She has to pay a 6% sales tax. How much money will Melissa have to pay? (1.2)</p> | <p>6. Keisha has \$20 to spend at the movies. She is going to buy 1 large popcorn, 1 box of candy, and 1 bottled water. Will she have enough money if the popcorn costs \$12.75, the candy costs \$3.25, and the bottled water costs \$3.75? (1.2)</p> |
| <p>7. Which equations with exponential expression are true? Select all that apply. (1.3)</p> <p>a. $(\frac{1}{2})^3 = \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$</p> <p>b. $4 \cdot 4 \cdot 4 \cdot 4 \cdot 4 = 4^4$</p> <p>c. $.75 \cdot .75 \cdot .75 \cdot .75 = (.75)^4$</p> <p>d. $\frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3} \cdot \frac{2}{3} = (\frac{2}{3})^5$</p> <p>e. $(.50)^3 = .50 \cdot .50 \cdot .50$</p> <p>f. $5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 = 6^5$</p> | <p>8. Evaluate each of the following expressions. (1.3)</p> <p>a. $(\frac{2}{3})^3$</p> <p>b. $85 \cdot 82$</p> <p>c. $33 \cdot 42$</p> |

Source: Adapted from © 2015 by Howard County Public School System, Office of Mathematics.