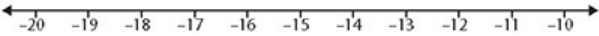


A Quiz #13
Lessons 49–52

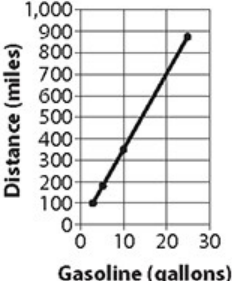
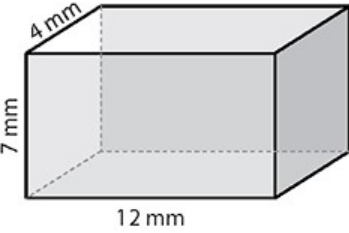
1. Simplify this complex fraction. $\frac{\frac{3}{8}}{\frac{9}{4}}$
2. Lucas wants to tie a piece of string onto balloons for a party. He has string that is $22\frac{1}{2}$ inches long, and he'll cut it into three equal pieces. How long will each piece be?
3. Write an equivalent expression for $9 + 2(3n - 6)$ and simplify it. Evaluate the expression if $n = 6$.
4. $0.22 \times 9 = ?$
5. Janet bought a book for \$19.95, and the tax was 6.25%. How much did Janet pay, including tax? Round your answer to the nearest cent.
6. Graph $x > -18$ on the number line.
7. The amusement park built a new roller coaster. When the train exits the gate, it climbs 170 feet up the first hill before dropping 164 feet down. Write and solve an equation to represent the change in elevation.
8. Find the quotient. $-63 \div 9$
9. If you receive a deduction of 20% off the full price, you will pay _____.
10. The surface area of a rectangular prism is 562 cm^2 . Two of the dimensions are 7 cm and 8 cm. Find the measurement of the other dimension.
11. Keri earns \$5.50 for every lawn she mows. Write an equation to represent the relationship between income (p) and number of lawns mowed (m).
12. A circle has a diameter of 12 cm. Find its circumference. Use 3.14 for pi.

1. 7.RP.1	2.
3. 7.EE.1	4. 6.NS.3
5. 7.RP.3	6. 6.EE.8 
7. 7.NS.1	8. 7.NS.2
9. 7.EE.2 A) 80% of the full price B) 0.20 times the price C) 1.20 of the price	10. 7.G.6
11. 7.RP.2	12. 7.G.4

A Quiz #14

Lessons 53–56

1. Simplify this complex fraction. $\frac{2\frac{2}{3}}{4}$
2. Simplify this expression. $4 + 2f - f + 16 + 5f$
3. The graph represents the relationship between miles driven (m) and gallons of gasoline used (g). Give the unit rate and constant of proportionality. Write an equation for the relationship.
4. A circle has a diameter of 21 cm. Find its circumference. Use $\frac{22}{7}$ for pi.
5. Find the quotient. $\frac{-56}{8}$
6. Find the surface area of the prism.
7. The cost of cab fare is \$12.00. Write and solve an equation to show the total with a 13% tip added.
8. $45.9 \div 0.03 = ?$
9. Mike and his brother went out to dinner. They want to add a tip of 20% to their food bill. Write an expression to show the total amount they should pay for dinner. Use the variable b to represent the food bill.
10. Each student at Williamson Elementary can only participate in one fall activity. There are 65 students on the football team, and twice that number in the band. There are 61 students on each of the two soccer teams. How many students participate in fall activities?
11. Ed's bank account had \$15 in it. He wrote a check for \$30. Write and solve an addition equation to describe the balance in Ed's account.
12. Give the probability of randomly choosing a red marble from a bag that contains 3 red marbles and 4 black marbles.

1. 7.RP.1	2. 7.EE.1
3. 7.RP.2 	4. 7.G.4
5. 7.NS.2	6. 7.G.6 
7. 7.RP.3	8. 6.NS.3
9. 7.EE.2	10. 7.NS.3
11. 7.NS.1	12. 7.SP.5