

**1. Dillon deposited  $\frac{3}{4}$  of his paycheck into the bank. If he deposited \$46.50, how much was his paycheck?**

**2. Two-thirds of Chen's homeroom class plan to participate in the school talent show. If 16 students from the class plan to participate, how many students are in the homeroom class?**

Lilly buys a few cassette tapes from the clearance bin marked “\$2.50 each”. She also buys a brand new CD for \$15.99. Her total was \$43.49. How many cassette tapes did she purchase?



**3. Use the formula  $A=bh$  to find the base of a rhombus with a height of 7 inches and an area of 56 square inches.**

**4. A dragonfly, the fastest insect, can fly a distance of 50 feet at a speed (rate) of 25 ft per second. Using the equation  $d = rt$ , find the time in seconds.**

Jed buys calculators for his entire class of 25 students. He also buys a yard stick for \$8.95. If the total bill was \$320.20, how much did each calculator cost?



**5. Kennedy saves \$5.50 for each hour she works. She needs to save an additional \$44 to buy a Kindle. How many more hours does she need to work to have enough money?**

**6. Brandy wants to buy a digital camera that costs \$65. Suppose she save \$15 each week. In how many weeks will she have enough money for the camera?**

A bin of 20 playground balls weighs 153 pounds. The bin, when empty, weighs just 4.8 pounds. How much does each ball weigh?



**7. Mrs. Stephan's car can travel an average of 24 miles on each gallon of gasoline. Write and solve an equation to find how many gallons of gasoline she will need for a trip of 348 miles.**

**8. Keyani spent \$70 for 4 hours of dance classes. Write and solve an equation to determine how much she spent per hour of dance class.**

Kip buys 8 bouquets of flowers (for the same price) and a shovel for \$14.65. If his total bill was \$186.65, how much was each bouquet of flowers?



**9. Zach is  $15 \frac{1}{2}$  years old. This is 3 years younger than his brother Lou. How old is Lou?**

**10. The Miami Heat scored 79 points. This was 13 points less than the Chicago Bulls. How many points did the Chicago Bulls score?**

Mack wants to purchase a new stereo system for his car. The system costs \$1150. Mack has \$420 saved already, and plans on mowing lawns to earn the rest. If Mack gets paid \$25 for every lawn he mows, how many lawns must he mow to earn enough money for the stereo?



**11. The Oriental Pearl Tower in China is 1,535 feet tall. It is 280 feet shorter than the Canadian National Tower in Canada. Write and solve an equation to find the height of the Canadian National Tower.**



**12. Orville and Wilbur Wright made the first airplane flights in 1903. Wilbur's flight was 364 feet, which was 120 feet longer than Orville's flight. Write and solve an equation to find the length of Orville's flight.**

A storage crate containing 14 bicycles weighs 600 pounds. The storage crate, when empty, weighs 47 pounds. How much does each bicycle weigh (assuming they each weigh the same)?

