

9. A box arrived at Kim's Import Food Store weighing 24.5 kilograms. The box contained 24 jars of pickled vegetables. When empty, the box weighs 1.6 kilograms. Which equation below tells how many kilograms (k) each jar weighs?

- a. $k = (24.5 - 1.6) \div 24$ d. $k = (24.5 - 24) \times 1.6$
 b. $k = (24.5 - 24) \div 1.6$ e. $k = (24.5 + 1.6) \div 24$
 c. $k = (24.5 - 1.6) \times 24$

10. A digital scale shows weight in pounds as a mixed decimal number rounded to the nearest hundredth of a pound. Many markets and other shops use a digital scale to weigh a customer's purchase. What total price should the scale show?

4.73 lb	\$3.89
Weight	\$ per lb
Total Price	

11. At his office supplies store, Jackson got a package from UPS that weighed 53 pounds. In the package are 1,000 pens. If the box itself and the packing material have a total weight of 2.5 pounds, what is the approximate weight of each pen?

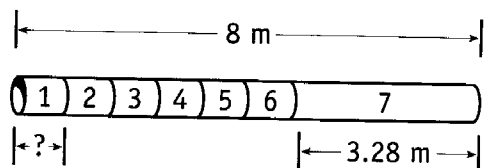
12. A 3-foot-wide bookshelf contains 20 books. How much room is left on the bookshelf if 10 of the books are 0.75 inch wide and 10 of the books are 1.125 inches wide?

13. Nadine needs to drill a hole that will allow a 0.325-inch-diameter wire to pass through. She wants the wire to fit as tightly as possible. Which of the three drill bits shown should she use?

Bit #	Diameter
1	$\frac{5}{16}$ inch
2	$\frac{11}{32}$ inch
3	$\frac{3}{8}$ inch

14. In Fremont, the cost of electric power is \$0.0956 per kilowatt-hour. If, during the month of January, the Smith family used 3,000 kilowatt-hours of electric power, how much was their electric bill for that month? Write your answer showing dollars and cents.

15. Shaun is going to cut an 8-meter-long pipe into seven pieces. First, he will cut off a piece 3.28 meters long; then he will cut the remaining piece into six pieces of equal length. Circle the letter for the expression that gives the length of each of these shorter pieces.



- a. $\frac{8-3.28}{7}$ b. $\frac{7-3.28}{7}$ c. $\frac{8-3.28}{6}$ d. $\frac{7-3.28}{6}$ e. $\frac{6-3.28}{8}$