

6. There are 45 cans of mixed nuts. If each can has 338 nuts, what is the total number of nuts, n , in all of the cans? Write and solve an equation for n .

$$338 \times 45 = n$$

$$n = 15,210$$

nuts in 45 cans

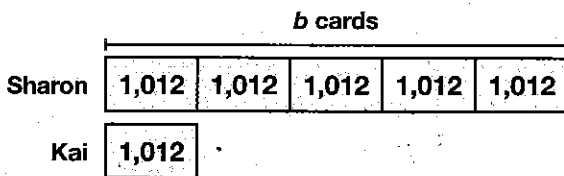
$$\begin{array}{r} 338 \\ \times 45 \\ \hline 1690 \\ 13520 \\ \hline 15210 \end{array}$$

7. There are 36 large fish tanks at the zoo. Each tank holds 205 gallons of water. How many gallons of water would it take to fill all of the tanks?

$$\begin{array}{r} 205 \\ \times 36 \\ \hline 1230 \\ 6150 \\ \hline 7380 \end{array}$$

There are 7,380 gallons of water in the 36 fish tanks.

8. Kai ordered 1,012 baseball cards. Sharon ordered 5 times as many cards as Kai. Write and solve an equation to find b , the number of baseball cards Sharon ordered.



$$1,012 \times 5 = b$$

$$\begin{array}{r} 1012 \\ \times 5 \\ \hline 5060 \end{array}$$

Sharon ordered 5,060 baseball cards.

9. Ted's sales goal for this month is \$6,000. Ted sells 289 tickets for \$16 each. He says, "Since $300 \times \$20 = \$6,000$, I made my sales goal." Do you agree with Ted? Explain.

$$\begin{array}{r} 289 \\ \times 16 \\ \hline 1734 \\ 2890 \\ \hline \$4,624 \end{array}$$

The estimate is an over-estimate so the sales will be less than \$6000.

10. Draw lines to match each number on the left to its equivalent expression on the right.

1,200	12×10^0
120	12×100
12	12×10^3
12,000	12×10^1

11. For questions 11a–11d, choose Yes or No to tell if the number 10^2 will make each equation true.

- 11a. $39 \times 10^2 = 390$ Yes No
- 11b. $4 \times 10^2 = 400$ Yes No
- 11c. $20 \times 10^2 = 200$ Yes No
- 11d. $517 \times 10^2 = 51,700$ Yes No

12. Rosanne has 142 songs on her MP3 player. Teresa has 11 times as many songs as Rosanne. How many songs does Teresa have?

Teresa has

$$\begin{array}{r} 142 \\ \times 11 \\ \hline 142 \\ 1420 \\ \hline 1,562 \end{array}$$

1,562 songs.