

2-11 Practice

Name _____

Date _____

Cross out the extra numerical information and solve.

Show your work.

- 1 A case of water contains 24 bottles with ~~32 ounces~~ of water in each. Mr. Atkins bought 8 cases. How many bottles did he buy?

$24 \times 8 = t$ $t = 192$ bottles

$$\begin{array}{r} 20 \quad 4 \\ \times 8 \quad \times 8 \\ \hline 160 + 32 = 192 \end{array}$$

- 2 Ellen trained for 20 weeks. Each week, she rode her bike 90 miles and ~~ran 18 miles~~. Tomorrow, she will ride her bike in a ~~100-mile race~~. How many miles did Ellen ride during her training?

$2 \times 9 = 18$
 $10 \times 10 = 100$

$20 \times 90 = m$ $m = 1800$ miles

Tell what additional information is needed to solve the problem.

- 3 Raj's baseball team is selling T-shirts to raise money for new uniforms. They earn \$6 for each T-shirt they sell. How many T-shirts do they need to sell to have enough for the uniforms?

How much money do the new uniforms cost?

- 4 It takes Frank 20 minutes to walk 1 mile. If he leaves his house at 2:00, will he get to Alice's house before 3:30?

How many miles is it to Alice's house?

Solve each problem and label your answer.

Write hidden questions if you need to.

- 5 Malik works at a bike shop. His boss asks him to check the pressure on all the tires in the shop. There are 59 bicycles, 16 tricycles, and 4 unicycles. How many tires does Malik have to check?

$(59 \times 2) + (16 \times 3) + (4 \times 1) = t$
 $118 + 48 + 4 = t$

$$\begin{array}{r} 118 \\ 48 \\ + 4 \\ \hline 170 \end{array}$$

How many tires on a bicycle, a tricycle and a unicycle?

$t = 170$ tires

- 6 A sub shop sold 207 subs on Monday. Of these, 128 were large, and the rest were small. Large subs cost \$5, and small subs cost \$3. What total amount did the store earn by selling subs on Monday?

$(128 \times 5) + (79 \times 3) = t$

$70 \times 3 = 210$ $9 \times 3 = 27$ $\$237$

$$\begin{array}{r} 640 \\ + 237 \\ \hline 877 \end{array}$$

How many were small subs?

$207 - 128 = 79$ small subs

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$640 + 237 = t$

$t = \$877$

$$\begin{array}{r} 1 \\ \times 16 \\ \times 3 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 1 \\ 59 \\ \times 2 \\ \hline 118 \end{array}$$

$100 \times 5 = 500$
 $20 \times 5 = 100$
 $8 \times 5 = +40$
 $\$640$