Real-life problems

Find the answer to each problem.

Nina has an hour to do her homework. She plans to spend $\frac{1}{3}$ of her time on math. How many minutes will she spend doing math?

20 minutes

1 hour is 60 minutes

$$\begin{array}{r} 20 \\ 3\overline{)60} \end{array}$$

In gym class, David makes 2 long jumps of 1.78 m and 2.19 m. How far does he jump altogether?

3.97 m

$$\begin{array}{r} \overset{1}{1.78}\text{ m} \\ +\ 2.19\text{ m} \\ \hline 3.97\text{ m} \end{array}$$

Find the answer to each problem.

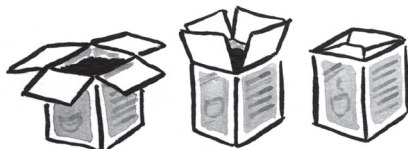Moishe has a can of lemonade containing 400 ml. He drinks $\frac{1}{4}$ of it. How much is left?

David ran 40 m in 8 seconds. At that speed, how far did he run in 1 second?

A large jar of coffee contains 1.75 kg. If 1.48 kg is left in the jar, how much has been used?

A worker can fill 145 boxes of tea in 15 minutes. How many boxes can he fill in 1 hour?

Jennifer's computer is 41.63 cm wide and her printer is 48.37 cm wide. How much space does she have for books if her desk is 1.5 m wide?

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In gym class, David makes 2 long jumps of 1.78 m and 2.19 m. How far does he jump altogether?

3.97 m

$$\begin{array}{r} 1 \\ 1.78\text{ m} \\ +\ 2.19\text{ m} \\ \hline 3.97\text{ m} \end{array}$$

Find the answer to each problem.

Moishe has a can of lemonade containing 400 ml. He drinks $\frac{1}{4}$ of it. How much is left?

300 ml

$400 \div 4 = 100$

$400 - 100 = 300$

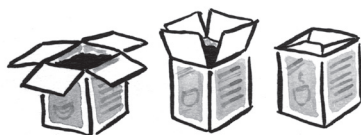David ran 40 m in 8 seconds. At that speed, how far did he run in 1 second?

5 m

$40 \div 8 = 5$

A large jar of coffee contains 1.75 kg. If 1.48 kg is left in the jar, how much has been used?

0.27 kg

$$\begin{array}{r} {}^{6\ 15} \\ 1.\cancel{7}\cancel{5} \\ -\ 1.48 \\ \hline 0.27 \end{array}$$

A worker can fill 145 boxes of tea in 15 minutes. How many boxes can he fill in 1 hour?

580 boxes

1 hour = 60 min
$60 \div 15 = 4$

$$\begin{array}{r} {}^{1\ 2} \\ 145 \\ \times\quad 4 \\ \hline 580 \end{array}$$

Jennifer's computer is 41.63 cm wide and her printer is 48.37 cm wide. How much space does she have for books if her desk is 1.5 m wide?

60 cm

1.5 m = 150 cm

$$\begin{array}{r} {}^{11\ 1} \\ 41.63 \\ +\ 48.37 \\ \hline 90.00 \end{array} \qquad \begin{array}{r} 150 \\ -\ 90 \\ \hline 60 \end{array}$$

This page deals with units other than money. Note that solving the final problem requires two operations.