



7.1

Can my student fluently add, subtract, multiply, and divide decimals (decimal fractions)?

7.1c

Using paper and pencil only: $142.4 \times 3.6 =$ _____

512.64

$$\begin{array}{r}
 1 \quad 1 \\
 2 \quad 1 \quad 2 \\
 142.4 \\
 \times \quad 3.6 \\
 \hline
 8544 \\
 + 42720 \\
 \hline
 51264
 \end{array}$$

or

$$\begin{array}{r}
 142.4 \\
 \times \quad 3.6 \\
 \hline
 85.44 \\
 + 427.2 \\
 \hline
 512.64
 \end{array}$$

7.1d

Using paper and pencil only: $19.55 \div 2.3 =$ _____

8.5

$$2.3 \overline{) 19.55} \xrightarrow{\times 10} 23 \overline{) 195.5}$$

$$\begin{array}{r}
 8.5 \\
 -184.0 \\
 \hline
 11.5 \\
 -11.5 \\
 \hline
 0
 \end{array}$$



7.2

Can my student correctly convert between fractions, decimal fractions, and percentages?

7.2a

Convert 65% to a decimal equivalent, then to a fraction. Simplify the fraction to lowest terms (reduce).

$$65\% = 0.65 = \frac{65}{100} \div \frac{5}{5} = \frac{13}{20}$$

7.2b

Convert $\frac{3}{4}$ to a decimal equivalent, and then to a percentage.

$$\frac{3}{4} = \frac{75}{100} = 0.75 = 75\%$$



7.3

Can my student confidently solve word problems involving decimal fractions?

7.3a

Maria is paid \$6.55 for every hour that she works. If she works 0.4 of an hour, how much will she earn?

\$2.62

$$\$6.55/\text{hr} \times 0.4 \text{ hr} = \$2.62$$

7.3b

Lindsey has 4.080 kg of apples. She can fit 1.5 kg of apples in each sack. How many sacks will she need?

3 sacks

$$1.5 \overline{)4.080} \xrightarrow{\times 10} 15 \overline{)40.80}$$
$$\begin{array}{r} 2.72 \\ -30.00 \\ \hline 10.80 \\ -10.50 \\ \hline .30 \\ -30 \\ \hline 0 \end{array}$$



How to complete the Quick Check:

- You only need to complete the problems your parent or instructor assigns.

7.1

7.1a

Using paper and pencil only: $3.51 + 2.68 =$ _____

7.1b

Using paper and pencil only: $25.1 - 1.002 =$ _____



7.1

7.1c

Using paper and pencil only: $142.4 \times 3.6 =$ _____

7.1d

Using paper and pencil only: $19.55 \div 2.3 =$ _____



7.2

7.2a

Convert 65% to a decimal equivalent, then to a fraction. Simplify the fraction to lowest terms (reduce).

7.2b

Convert $\frac{3}{4}$ to a decimal equivalent, and then to a percentage.



7.3

7.3a

**Maria is paid \$6.55 for every hour that she works
If she works 0.4 of an hour, how much will she earn?**

7.3b

**Lindsey has 4.080 kg of apples. She can fit 1.5 kg of apples in each sack.
How many sacks will she need?**