

**How to Administer the Quick Check:**

- The Quick Check consists of two parts: an Instruction portion which includes solutions and a Student portion with problems for each concept.
- **Your student need only complete the Quick Check problems for the concepts for which you responded **Unsure**.**
- Have your student complete the Quick Check items independently. You may attempt to clarify the wording of a question, but you should not provide hints about how to solve a problem.
- Return to the Question Block when you have checked your student's work.
- *You should now be able to answer **Yes** or **No** for each question.*
- Click **Submit** to go to the next screen.

7.1

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

7.1a

Using paper and pencil only, add 3.51 and 2.68.**6.19**

$$\begin{array}{r} 1 \\ 3.51 \\ + 2.68 \\ \hline 5.19 \end{array}$$

7.1b

Using paper and pencil only, subtract 1.002 from 25.1**24.098**

$$\begin{array}{r} 9 \\ 0 \ 10 \ 10 \\ 25.100 \\ - 1.002 \\ \hline 24.098 \end{array}$$



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

Using paper and pencil only, calculate: 142.4×3.6

$$\begin{array}{r} \begin{array}{cc} 1 & 1 \\ 2 & 1 & 2 \end{array} \\ 142.4 \\ \times \quad 3.6 \\ \hline 8544 \\ + 42720 \\ \hline 512.64 \end{array}$$
$$\begin{array}{r} 142.4 \\ \times \quad 3.6 \\ \hline 854.4 \\ + 427.2 \\ \hline 512.64 \end{array}$$

Using paper and pencil only, what is 19.55 divided by 2.3?

$$2.3 \overline{) 19.55} \rightarrow \begin{array}{r} 8.5 \\ 23 \overline{) 195.5} \\ \underline{-184.0} \\ 11.5 \\ \underline{-11.5} \\ 0 \end{array}$$



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.

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

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

$$\begin{array}{r} 2.72 \\ 15 \overline{) 40.80} \\ \underline{- 30.00} \\ 10.80 \\ \underline{- 10.50} \\ .30 \\ \underline{- 30} \\ 0 \end{array}$$

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, add 3.51 and 2.68.****7.1b****Using paper and pencil only, subtract 1.002 from 25.1**

7.1

7.1c

Using paper and pencil only, calculate: 142.4×3.6

7.1d

Using paper and pencil only, what is 19.55 divided by 2.3?

7.2

7.2a

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

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?**