

Name: _____ Date: _____ Score: _____

6th Grade Quick Check B

6.NS.1 (Multiply & Divide Fractions)

Goal: *I can compute quotients of fractions.*

1. Find the product:

$$6\frac{1}{4} \times 2$$

2. Pierre is running $26\frac{2}{10}$ miles in the marathon. He has run $\frac{3}{4}$ of the way. How far has he run?

3. Find the quotient:

$$\frac{1}{4} \div 2$$

4. Luisa ran $3\frac{2}{3}$ kilometers in $\frac{1}{3}$ of an hour. If speed is distance divided by time, calculate Luisa's speed.

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6.NS.2 (Long Division)

Goal: *I can find the quotient of multi-digit whole numbers.*

1. Find the quotient:

$$2469 \div 6$$

2. Find the quotient:

$$\begin{array}{r} 444 \\ \hline 24 \end{array}$$

3. Anna bought 120 feet of copper wire. She cut it into 16 pieces of the same length. How long is one piece of copper wire?

4. Mike's boat can carry 40 people across the river. Last month, 2,504 people rode on Mike's boat. What is the least number of trips that Mike could have made across that river?

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6.NS.3 (Add & Subtract Decimals)

Goal: *I can find the sum or difference of multi-digit decimals.*

1. Find the sum:
 $1.17 + 0.45$

2. Find the sum:
 $2.23 + 0.595$

3. Find the difference:
 $2.04 - 0.71$

4. Find the difference:
 $0.7 - 0.45$

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6.NS.3 (Multiply & Divide Decimals)

Goal: *I can find the product or quotient of multi-digit decimals.*

1. Find the product:
 1.72×0.32

2. Find the product:
 $53.9 \times 1 = \underline{\hspace{2cm}}$
 $53.9 \times 10 = \underline{\hspace{2cm}}$
 $53.9 \times 100 = \underline{\hspace{2cm}}$

3. Find the quotient:
 $9.66 \div 1.2$

4. Find the quotient:
 $53.9 \div 1 = \underline{\hspace{2cm}}$
 $53.9 \div 10 = \underline{\hspace{2cm}}$
 $53.9 \div 100 = \underline{\hspace{2cm}}$

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6.NS.4 (Find GCF & LCM)

Goal: *I can find the greatest common factor or least common multiple of two whole numbers.*

<p>1. List all the factors of 24:</p> <hr/> <p>List all the factors of 18:</p> <hr/> <p>What is the greatest common factor of 24 and 18?</p> <hr/>	<p>2. Use a factor tree and prime factorization to find the greatest common factor of 10 and 28.</p> <p>What is the greatest common factor of 10 and 28?</p> <hr/>
<p>3. List the first five multiples of 9:</p> <hr/> <p>List the first five multiples of 15:</p> <hr/> <p>What is the least common multiple of 9 and 15?</p> <hr/>	<p>4. Use a factor tree and prime factorization to find the least common multiple of 3 and 10.</p> <p>What is the least common multiple of 3 and 10?</p> <hr/>