

Math 6 - Unit 1: Number System Fluency*End of Unit Study Guide*

Name: _____

Class Period: 1 2 3 4 Date: _____

1) $\frac{2}{7} \div \frac{1}{14} =$

Answer: _____

2) $9\frac{3}{4} \div 2\frac{1}{8} =$

Answer: _____

3) $25.19 + 8.3 + 43 =$

Answer: _____

4) $2.7 \cdot 9.6 =$

Answer: _____

5) $10.1 - 3.07 =$

Answer: _____

6)
$$1.2 \overline{)5.076}$$

Answer: _____

7) Label the **dividend**, **divisor**, and **quotient** in the problem below.

$$\begin{array}{r} 26 \\ 12 \overline{)312} \end{array}$$

8) Find the **sum** of 8.92 and 14?

9) What is the **product** of 1.5×1.5 ?

10) Find the **quotient** of $\frac{5}{9} \div \frac{9}{10}$?

11) Write the **reciprocal** of $\frac{9}{23}$?

12) Find the **quotient** of $5.6 \div 0.14$?

13) A shelf $6\frac{2}{3}$ inches wide. If CDs are $\frac{1}{4}$ inches wide, how many CDs can be placed on the shelf?

14) What is a common error that students make when they divide decimals?

15) How are quotients, products, sums and differences related?

16) What is one skill you really need to practice? Which IXL skill will help you practice it?

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ANSWER KEY

Name: _____

Class Period: 1 2 3 4 Date: _____

1) $\frac{2}{7} \div \frac{1}{14} =$

Answer: **4**

2) $9\frac{3}{4} \div 2\frac{1}{8} =$

Answer: $\frac{78}{17}$ **or** $4\frac{10}{17}$

3) $25.19 + 8.3 + 43 =$

Answer: **76.49**

4) $2.7 \cdot 9.6 =$

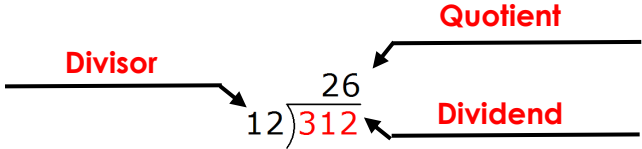
Answer: **25.92**

5) $10.1 - 3.07 =$

Answer: **7.03**

6)
$$1.2 \overline{) 5.076}$$

Answer: **4.23**

<p>7) Label the dividend, divisor, and quotient in the problem below.</p> 	<p>8) Find the sum of 8.92 and 14?</p> <p style="text-align: right;">Answer: 22.92</p>
<p>9) What is the product of 1.5×1.5?</p> <p style="text-align: right;">Answer: 2.25</p>	<p>10) Find the quotient of $\frac{5}{9} \div \frac{9}{10}$?</p> <p style="text-align: right;">Answer: $\frac{50}{81}$</p>
<p>11) Write the reciprocal of $\frac{9}{23}$?</p> <p style="text-align: right;">Answer: $\frac{23}{9}$</p>	<p>12) Find the quotient of $5.6 \div 0.14$?</p> <p style="text-align: right;">Answer: 40</p>
<p>13) A shelf $6\frac{2}{3}$ inches wide. If CDs are $\frac{1}{4}$ inches wide, how many CDs can be placed on the shelf?</p> <p style="text-align: right;">Answer: 26 CDs</p>	<p>14) What is a common error that students make when they divide decimals?</p> <p style="text-align: right;">Answer: Answers will vary, one possible answer is they forget to move the decimal</p>

15) How are quotients, products, sums and differences related? **Answers will vary. One possible answer is they are all answers to calculation problems.**

16) What is one skill you really need to practice? Which IXL skill will help you practice it? **Answers vary.**