

Math 6 - Unit 1: Number System Fluency
Mid Unit Study Guide (Decimal Operations)

Name: _____

Class Period: 1 2 3 4 Date: _____

1) $14.25 + 5.8 + 101 =$

Answer: _____

2) $3.7 \cdot 9.1 =$

Answer: _____

3) $11.3 - 2.07 =$

Answer: _____

4)

$$1.2 \overline{)3.852}$$

Answer: _____

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

$$\begin{array}{r} 6 \\ 4 \overline{)24} \end{array}$$

6) Which problem shows the correct work in finding the **sum** of 7.18 and 15?

- | | | | |
|---|---|---|--|
| a) $\begin{array}{r} 7.18 \\ + 15 \\ \hline 7.33 \end{array}$ | b) $\begin{array}{r} 7.18 \\ + 1.50 \\ \hline 8.68 \end{array}$ | c) $\begin{array}{r} 7.18 \\ + 15.00 \\ \hline 22.18 \end{array}$ | d) $\begin{array}{r} 7.18 \\ + 15.00 \\ \hline 0.2218 \end{array}$ |
|---|---|---|--|

Answer: _____

- 7)** Which is the **product** of 1.1×1.1 ?
- a) 0.121 b) 1.21 c) 12.1 d) 121

Answer: _____

- 8)** Which shows the first step in finding the quotient of $8.5 \div 0.13$?
- a) Change the problem to $850 \div 13$
b) Change the problem to 85×13
c) Change the problem to $85 \div 13$
d) Change the problem to $5.5 \div 1.3$

Answer: _____

- 9)** Cole is at the fair and he buys a hot dog for \$3.75, cotton candy for \$2.25 and a slushie for \$4. How much change will he get back if he pays with a \$20 bill?

- 10)** Lizzie bought a ticket to see the VOLS play for \$56.87. She wanted to also buy a sweatshirt for \$75.67. If she brought \$150 with her, does she have enough to buy the sweatshirt? If she does, how much money will she have left over?

11) $4.23 + 7.2 =$

12) $3.2 \div 0.008 =$

13) $9.8 \times 8.7 =$

14) $82.3 - 2 =$

Math 6 - Unit 1: Number System Fluency

Mid Unit Study Guide (Decimal Operations)

ANSWER KEY

Name: _____

Class Period: 1 2 3 4 Date: _____

1) $14.25 + 5.8 + 101 = 121.05$

Answer: _____

2) $3.7 \cdot 9.1 = 33.67$

Answer: _____

3) $11.3 - 2.07 = 9.23$

Answer: _____

4) 3.21

$$1.2 \overline{)3.852}$$

Answer: _____

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

$$\begin{array}{r} \text{Quotient} \\ 6 \\ \text{Divisor} \quad 4 \overline{)24} \\ \text{Dividend} \end{array}$$

6) Which problem shows the correct work in finding the **sum** of 7.18 and 15?

a) 7.18	b) 7.18	c) 7.18	d) 7.18
$+ \underline{15}$	$+ \underline{1.50}$	$+ \underline{15.00}$	$+ \underline{15.00}$
7.33	8.68	22.18	0.2218

Answer: **C**

7) Which is the **product** of 1.1×1.1 ?
a) 0.121 b) 1.21 c) 12.1 d) 121

Answer: **b**

8) Which shows the first step in finding the quotient of $8.5 \div 0.13$?

- a) Change the problem to $850 \div 13$
- b) Change the problem to 85×13
- c) Change the problem to $85 \div 13$
- d) Change the problem to $5.5 \div 1.3$

Answer: **a**

9) Cole is at the fair and he buys a hot dog for \$3.75, cotton candy for \$2.25 and a slushie for \$4. How much change will he get back if he pays with a \$20 bill? **\$10**

10) Lizzie bought a ticket to see the VOLS play for \$56.87. She wanted to also buy a sweatshirt for \$75.67. If she brought \$150 with her, does she have enough to buy the sweatshirt? If she does, how much money will she have left over? **Yes, \$17.46**

11) $4.23 + 7.2 = 11.43$

12) $3.2 \div 0.008 = 400$

13) $9.8 \times 8.7 = 85.26$

14) $82.3 - 2 = 80.3$