

Name: \_\_\_\_\_

**Math Review: Unit 4**

1. Rewrite each number in standard form.

a) 3.6 million

b)  $6\frac{3}{4}$  billion

c)  $\frac{1}{2}$  million

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2. Use decimals. Round each number to the nearest hundredth of a million.

a) 16 284 371

b) 1 906 242

c) 47 072 148

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3. Write each number as a decimal.

a)  $\frac{291}{1000}$

b)  $4\frac{173}{1000}$

c)  $6\frac{8}{1000}$

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4. Write each decimal as a fraction or a mixed number.

a) 0.436

b) 5.016

c) 13.004

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5. Use >, <, or =.

a) 2.537 \_\_\_\_ 2.58

b) 0.607 \_\_\_\_ 0.601

c) 1.42 \_\_\_\_ 1.413

d) 2.6 \_\_\_\_ 2.600

6. Order the numbers from greatest to least.

a) 0.439, 1.004, 0.37 \_\_\_\_\_

b) 2.83, 1.9, 0.297 \_\_\_\_\_

c) 6.237, 6.019, 6.28 \_\_\_\_\_

d) 3.105, 3.6, 5.12 \_\_\_\_\_

7. Write a number between 2.358 and 2.361.

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8. Round to the nearest whole number.

a) 3.764

b) 0.635

c) 7.014

d) 2.535

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9. Round to the nearest tenth.

a) 8.64

b) 7.235

c) 0.062

d) 7.317

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10. Round to the nearest hundredth.

a) 3.456

b) 7.318

c) 6.994

d) 33.333

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11. Estimate each sum.

a)  $8.1 + 7.2$

b)  $6.51 + 4.03$

c)  $7.358 + 2.71$

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12. Estimate each difference.

a)  $26.18 - 20.92$

b)  $5.384 - 2.111$

c)  $8.43 - 2.251$

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13. Add.

a) 
$$\begin{array}{r} 1.685 \\ + 4.937 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 5.148 \\ + 3.227 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 0.387 \\ + 4.996 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 51.239 \\ + 8.468 \\ \hline \end{array}$$

14. Subtract.

a) 
$$\begin{array}{r} 13.352 \\ - 7.166 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 5.891 \\ - 1.309 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 11.026 \\ - 6.382 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} 9.405 \\ - 3.881 \\ \hline \end{array}$$

**15.** Write vertically, then add or subtract.

**a)**  $6.941 - 2.34$

**b)**  $3.85 + 7.206$

**c)**  $1.456 + 0.937$

**16.** Use mental math to find each product.

**a)**  $5.63 \times 10 =$  \_\_\_\_\_

**b)**  $7.851 \times 10\ 000 =$  \_\_\_\_\_

**c)**  $0.682 \times 100 =$  \_\_\_\_\_

**d)**  $59.04 \times 1000 =$  \_\_\_\_\_

**17.** A certain seed has a mass of 0.763 g.

What is the total mass of 10 of these seeds? 100 seeds?

1000 seeds? 10 000 seeds?

**18.** One thousand new pennies have a mass of 2350 g.

What is the mass of one penny?

**19.** Use mental math.

**a)**  $5 \times 0.1$   
 $5 \div 10$

**b)**  $16 \times 0.01$   
 $16 \div 100$

**c)**  $127 \times 0.001$   
 $127 \div 1000$

20. Multiply.

a) 
$$\begin{array}{r} 5.04 \\ \times 7 \\ \hline \end{array}$$

b) 
$$\begin{array}{r} 6.384 \\ \times 2 \\ \hline \end{array}$$

c) 
$$\begin{array}{r} 17.009 \\ \times 6 \\ \hline \end{array}$$

d) 
$$\begin{array}{r} \$17.35 \\ \times 8 \\ \hline \end{array}$$

e) 
$$\begin{array}{r} 1.257 \\ \times 3 \\ \hline \end{array}$$

f) 
$$\begin{array}{r} 0.738 \\ \times 9 \\ \hline \end{array}$$

21. Estimate first. Then divide until the remainder is 0.

a)  $3.589 \div 2$

b)  $18 \div 4$

c)  $2.768 \div 5$

22. Divide. Round each quotient to the same number of decimal places as there are in the dividend.

a)  $3.189 \div 2$

b)  $5.1 \div 9$

c)  $\$2.05 \div 2$

23. Each minivan holds 9 people.  
How many minivans are needed for 76 people?