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1a) List the following numbers in order from greatest to least. Ex: 1.2, 0.12, 12.1 = 12.1, 1.2, 0.12

- i) 2.250, 12.50, 0.225, 225.0 \_\_\_\_\_  
 ii) 23 101, 23 011, 32 211, 31 021 \_\_\_\_\_



b) Write the following numbers in words. Ex: 201 = two hundred one

- i) 97 204 = \_\_\_\_\_  
 ii) 106 597 = \_\_\_\_\_  
 iii) 325 193 = \_\_\_\_\_

c) Find the value of each percent. Ex: 10% of 60 =  $60 \times 0.10 = 6$

- i) 75% of 36 \_\_\_\_\_ ii) 20% of 85 \_\_\_\_\_

d) What fractions are shaded? \_\_\_\_\_ =  $1 \frac{1}{2}$

- i) \_\_\_\_\_ = \_\_\_\_\_  
 ii) \_\_\_\_\_ = \_\_\_\_\_

e) What is the place value of the underlined digit? Ex: 123 = tens

- i) 4567 = \_\_\_\_\_ ii) 345.78 = \_\_\_\_\_

**Reflection**

	Pizza	Drink
Caleb	\$3.29	\$2.56
Isaac	\$4.25	\$2.80
Hope	\$4.19	\$1.99
Ella	\$2.79	\$1.49

Caleb, Isaac, Hope and Ella each bought a pizza slice and drink. Their choices are shown in the accompanying box. Which person should receive change of about \$3.00 from \$10.00?

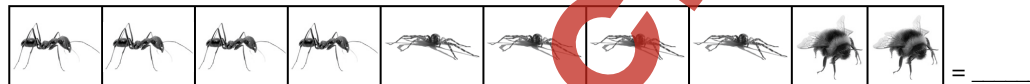
7a) Solve the following.

- i)  $(-6)(-4) =$  ii)  $(7) + (-15) =$  iii)  $(-6)(-11) =$

b) Calculate the mean, median and mode for the following list of numbers.

149, 296, 461, 345, 149, 333, 108	Mean	
	Median	
	Mode	

c) What fraction of the creatures below are ants?



What is an equivalent fraction of this? \_\_\_\_\_

d) Multiply the following.

- i)  $\begin{array}{r} 3906 \\ -245 \\ \hline \end{array}$  ii)  $\begin{array}{r} 5107 \\ -229 \\ \hline \end{array}$  iii)  $\begin{array}{r} 4.68 \\ -9.9 \\ \hline \end{array}$  iv)  $\begin{array}{r} 723.8 \\ -0.09 \\ \hline \end{array}$

e)  $\frac{8}{9} \times \frac{5}{4}$  is closest to what integer? Ex:  $\frac{3}{4} \times \frac{7}{5} = \frac{21}{20} = 1 \frac{1}{20} =$  ii. 1

- i. 0 ii. 1 iii. 2 iv. 3

**Explore With Technology**

A very helpful and interesting mathematics website is **Webmath**, found at <http://www.webmath.com/>. Check out "Math for Everyone." There, you'll find a lot of hands-on practice opportunities like calculating a tip and figuring out a sales price, among others.

2a) Multiply or divide the following.

- i)  $\begin{array}{r} 7623 \\ -52 \\ \hline \end{array}$  ii)  $\begin{array}{r} 6039 \\ -75 \\ \hline \end{array}$  iii)  $\begin{array}{r} 5199 \\ -36 \\ \hline \end{array}$  iv)  $\begin{array}{r} 8004 \\ -48 \\ \hline \end{array}$



- v)  $7595 \div 49 =$  vi)  $5775 \div 75 =$   
 vii)  $4591 \div 0.01 =$  viii)  $2345 \div 0.1 =$  ix)  $7023.3 \div 0.001 =$

b) Compare the following sets of fractions by writing greater than (>), less than (<) or equal to (=) in the box. Ex:  $\frac{2}{4} = \frac{1}{2}$

- i)  $\frac{2}{3}$    $\frac{1}{2}$  ii)  $\frac{4}{5}$    $\frac{8}{10}$  iii)  $\frac{2}{4}$    $\frac{3}{5}$

c) In a classroom of 36 students, 10 are female. What is the ratio of female to male? Ex: Ratio of 5 to 9 = 5:9

d) On a hockey team of 18 players, 9 shoot left-handed. What is the ratio of left-handed to right-handed players? \_\_\_\_\_

e) Solve the following. Ex:  $60 \div 5 + 12 \times 11 = 12 + 132 = 144$

- i)  $43 + 26 \div 2 =$  ii)  $138 - 12 + (14 + 16 \div 4) =$   
 iii)  $90 \div 10 + 14 \times 2 =$  iv)  $77 \div 11 + (13 - 7) =$   
 v)  $(-7) + (-2) =$  vi)  $14 - (-7) =$  vii)  $75 + (-50) =$

f) Write each number in expanded form. Ex: 46031 = 40 000 + 6000 + 30 + 1

- i) 32 451 = \_\_\_\_\_  
 ii) 907 255 = \_\_\_\_\_

8a) Compare the following numbers using either >, or <, or =.

- i)  $\frac{6}{7}$    $\frac{3}{4}$  ii)  $\frac{7}{8}$    $\frac{2}{3}$   
 iii)  $\frac{1}{3}$    $\frac{2}{5}$  iv)  $\frac{4}{3}$    $\frac{5}{4}$



b) Solve the following.

- i)  $(44 + 23) - 42 \div 6 =$  ii)  $33 + 12 \div 4 + (40 + 15) =$   
 iii)  $(24 \div 8)^2 =$  iv)  $4^2 - 12 + (28 - 18)^2 =$

c) Round the following number to the nearest whole number. Ex: 256.13 = 256

- i) 365.12 = \_\_\_\_\_ ii) 4199.89 = \_\_\_\_\_ iii) 0.513 = \_\_\_\_\_

d) Put the following sets of decimals in order from least to greatest.

- i) 0.404, 0.66, 1.01, 1.001, 0.110 \_\_\_\_\_  
 ii) 5.203, 5.003, 5.030, 3.503 \_\_\_\_\_

e) Divide the following and round to the nearest hundredth.

- i)  $567.32 \div 17 =$  ii)  $12.672 \div 3.2 =$   
 iii)  $\$652.08 \div 13 =$  iv)  $198.80 \div 71 =$

**Reflection**

You take your two best friends out for lunch. Your treat! The bills come to \$14.50, \$12.80 and \$15.75. If you tip the waitress 15%, what is your total bill (to the closest cent)?

Answer: \_\_\_\_\_



## Review A

a) List the following numbers in order from greatest to least:

17.34, 21.009, 1.734, 2.1009, 0.1734 \_\_\_\_\_

b) Write the following number in words.

86 356 \_\_\_\_\_

c) Determine:

i) 40% of 24 \_\_\_\_\_

ii) 25% of 120 \_\_\_\_\_

d) Write the place value of the underlined digit.

i) 5902.5 = \_\_\_\_\_ ii) 2548.23 = \_\_\_\_\_

e) Write the following number in expanded form.

134 691 = \_\_\_\_\_

f) Multiply the following.

i)  $\begin{array}{r} 3518 \\ \times 78 \\ \hline \end{array}$

ii)  $\begin{array}{r} 804.3 \\ \times 34 \\ \hline \end{array}$

iii)  $\begin{array}{r} \$32.78 \\ \times 51 \\ \hline \end{array}$

iv)  $\begin{array}{r} 5397 \\ \times 0.02 \\ \hline \end{array}$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

g) In Rene's swim team, 12 of the 19 members are girls. What is the ratio of girls to boys on her swim team? \_\_\_\_\_

h) Find the missing number in the fraction equivalents.

i)  $\frac{4}{5} = \frac{\quad}{25}$

ii)  $\frac{1}{2} = \frac{\quad}{24}$

iii)  $\frac{12}{48} = \frac{1}{\quad}$



## Review B

a) What is the number 10 000 before the following:

i)	80 252	_____
ii)	952 873.6	_____

b) Multiply the following.

i)  $\begin{array}{r} 5902 \\ \times 245 \\ \hline \end{array}$

ii)  $\begin{array}{r} \$53.90 \\ \times 376 \\ \hline \end{array}$

iii)  $\begin{array}{r} 765.1 \\ \times 23.5 \\ \hline \end{array}$

iv)  $\begin{array}{r} 56.01 \\ \times 3.7 \\ \hline \end{array}$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

c) Calculate the mean, median and mode for the following list of numbers.

390, 440, 280, 782, 440, 336, 146

Mean	_____
Median	_____
Mode	_____

d) Record the following number in the accompanying place value chart. 29 064.013

Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

e) Solve the following.

i)  $\frac{1}{3} \times \frac{4}{5} =$

ii)  $\frac{7}{8} \div \frac{1}{4} =$

iii)  $7 \frac{1}{5} - \frac{2}{7} =$

iv)  $\frac{2}{3} \div \frac{1}{8} \quad \frac{1}{2} =$

v)  $6.2 \times 10^2 =$

vi)  $0.002 \times 10^3 =$



## Review C

a) Write 3 453 629 in words.

\_\_\_\_\_

b) Reduce the following to their simplest forms.

i)  $\frac{5}{25}$  \_\_\_\_\_

ii)  $\frac{7}{42}$  \_\_\_\_\_

iii)  $\frac{21}{63}$  \_\_\_\_\_

iv)  $\frac{12}{60}$  \_\_\_\_\_

c) Solve the following.

i)  $6^2 + 9^2 =$

ii)  $12^2 =$

iii)  $7^3 =$

iv)  $8^2 + 50 =$

v)  $772.91 \times 0.01 =$

vi)  $0.8643 \times 10^2 =$

vii)  $10(15 \div 5)^2 =$

viii)  $112 - 60 - (16 \div 4 + 8) + 7 =$

ix)  $(7 + 12)(8 - 12) =$

x)  $\frac{1}{6} \times \frac{5}{6} =$

xi)  $\frac{3}{4} \div \frac{7}{9} =$

xii)  $3 \frac{1}{2} \times \frac{6}{11} =$

d) Find the value of each percent.

i) 40% of 160 =

ii) 120% of 50 =

e) Write the improper fraction equivalent for each mixed number.

i)  $9 \frac{1}{2} =$

ii)  $10 \frac{2}{3} =$

iii)  $7 \frac{7}{8} =$

## Place Value, Ordering

a) Solve the following.

i)  $\square \times \square = \square$

ii)  $\square + \square = \square$

b) Write greater than (>), less than (<), or equal to (=) in the box between the two numbers.

i)  $\square \square \square \square$

ii)  $\square \square \square \square$

iii)  $\square \square \square \square$

c) Which number is modeled in the place-value chart below?

100 Thousands	10 Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

Answer: \_\_\_\_\_

d) Round each number to the nearest thousand.

i) \_\_\_\_\_

ii) \_\_\_\_\_

iii) \_\_\_\_\_

e) Write the following group of numbers in order from least to greatest.

i) \_\_\_\_\_

NAME: \_\_\_\_\_

Timed Drill Sheet # 2



**3a) Using the numbers in the centre column below, give numbers that are one thousand more and one hundred less.**  
Ex: 450 500 1550

**Least Common Multiple (LCM)**

2 and 9  
2, 4, 6, 8, 10, 12, 14, 16, 18, 20  
9, 18, 27, 36, 45, 54, 63, 72, 81, 90

3 and 7  
3, 6, 9, 12, 15, 18, 21, 24, 27, 30  
7, 14, 21, 28, 35, 42, 49, 56, 63, 70

	100 Less		1000 More
i)		752 609	
ii)		36 268	
iii)		905 992	
iv)		3 168 443	

**b) Calculate the mean, the median and the mode for the following:**

Ex: 12, 20, 22, 23, 23 Mean = the average = 20 Median = the middle value = 22  
Mode = the repeated value = 23

- i) 62, 88, 44, 71, 62, 68, 81 Mean = \_\_\_\_\_ Median = \_\_\_\_\_ Mode = \_\_\_\_\_  
ii) 14, 33, 96, 33, 39, 47, 88 Mean = \_\_\_\_\_ Median = \_\_\_\_\_ Mode = \_\_\_\_\_

**c) Solve the following.** Ex:  $2^3 = 2 \times 2 \times 2 = 8$

- i)  $5^2 =$                       ii)  $7^2 =$                       iii)  $4^3 =$                       iv)  $12^3 =$

**d) Reduce the following fractions to their simplest forms.**

Ex:  $\frac{4}{8} = \frac{(4 \div 4)}{(8 \div 4)} = \frac{1}{2}$

- i)  $\frac{4}{16} =$                       ii)  $\frac{9}{27} =$                       iii)  $\frac{3}{10} =$                       iv)  $\frac{60}{100} =$

**e) Compare the following sets of decimals by writing greater than (>), less than (<), or equal to (=) in the box.**

- i) 6.7  6.07    ii) 0.09  0.90    iii) 142.010  142.01    iv) .051  .51

**f) Find the least common multiple (LCM) of the following numbers.**

Ex: 2 and 4 = 4    2 = 2, 4, 6, 8, ...    4 = 4, 8, 12, 16, ...

- i) 5 and 8 =                      ii) 4 and 6 =

**g) List the following rational numbers in order from least to greatest.**

- 0.8    3.1     $3 \frac{1}{2}$     90%     $\frac{7}{10}$     \_\_\_\_\_

<p><b>3.</b></p> <p>a) i) 752 509, 753 609 ii) 36 168, 37 268 iii) 905 892, 906 992 iv) 3 168 343, 3 169 443</p> <p>b) i) Mean = 68 Median = 68 Mode = 62 ii) Mean = 50 Median = 39 Mode = 33</p> <p>c) i) 25    ii) 49 iii) 64    iv) 1728</p> <p>d) i) 174    ii) <math>\frac{1}{3}</math> iii) <math>\frac{3}{10}</math>    iv) <math>\frac{3}{5}</math></p> <p>e) i) &gt;    ii) &lt; iii) =    iv) &lt;</p> <p>f) i) 40    ii) 12</p> <p>g) <math>\frac{7}{10}</math>, 0.8, 90%, 3.1, <math>3 \frac{1}{2}</math></p> <p><b>9</b></p>	<p><b>4.</b></p> <p>a) i) 20% ii) 30% iii) 40% iv) 10%</p> <p>b) -26, -13, -6, -1, 9, 26, 131</p> <p>c) ii. <math>\frac{1}{3}</math></p> <p>d) NO</p> <p>e) i) 67 561 ii) 892 518.5 iii) 10 862 663</p> <p>f) i) \$1276.80 ii) \$1493.40</p> <p>g) 1 999 999</p> <p>h) i) 43 294 ii) 76 043 iii) 7.7</p> <p><b>10</b></p>	<p><b>5.</b></p> <p>a) i) 27 ii) 19.04 iii) 41 iv) 379 990 v) 619 600 vi) 246 357 vii) 421 008</p> <p>b) i. <math>8 \times 4 = 32</math>, <math>4 \times 8 = 32</math>, <math>32 \div 8 = 4</math>, <math>32 \div 4 = 8</math></p> <p>c) i) tenths ii) ten thousands</p> <p>d) i) <math>8000 + 100 + 30 + 6</math> ii) <math>10\,000 + 2000 + 600 + 90 + 7</math></p> <p>e) i) 7493    ii) 4196</p> <p>f) <math>\frac{6}{5}</math>, <math>\frac{5}{4}</math>, <math>\frac{3}{2}</math></p> <p><b>11</b></p>	<p><b>6.</b></p> <p>a) i) &gt;    ii) =</p> <p>b) i) 79    ii) 258</p> <p>c) iii.</p> <p>d) iv.</p> <p>e) i) 3    ii) 16 iii) 180    iv) 81</p> <p>f) i) tenths ii) ten thousands</p> <p>g) i) <math>8000 + 100 + 30 + 6</math> ii) <math>10\,000 + 2000 + 600 + 90 + 7</math></p> <p>h) i) 15    ii) 30    iii) 30</p> <p><b>12</b></p>
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**EASY MARKING ANSWER KEY**

