

NAME: _____



Activity One

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

i) 1.7021, 17.012, 17.021, 1.7012 _____

ii) 0.0053, 0.1053, 0.0353, 0.0035 _____

b) Write the following numbers in words.

i) 234 812 _____

ii) 1 349 025 _____

c) Mrs. Gillette has 24 students in her Instrumental Music class. If 8 play the clarinet and the rest play the flute, what is the ration of clarinet to flute players? _____: _____

d) Solve the following.

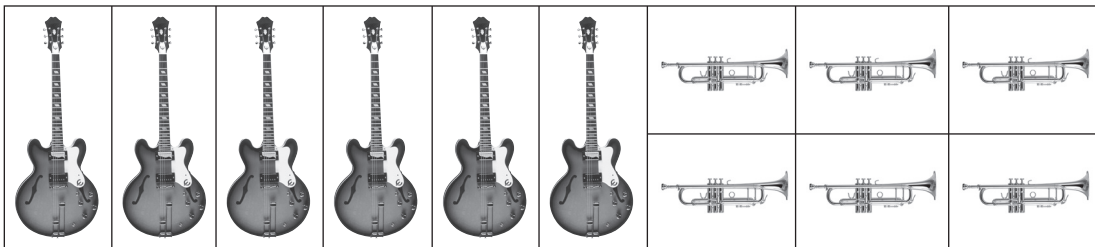
i) $36 - 48 \div 8 =$

ii) $124 - 24 - (10 + 20 \div 5) =$

iii) $(80 \div 8) + 12 \times 12 =$

iv) $66 \div 6 + (12 + 12 + 12) =$

e) What percentage of the musical instruments below are guitars? _____



f) Use >, <, or = to compare the fractions shown below.

i) $6/8$ $3/4$

ii) $1/2$ $3/5$

iii) $7/10$ $4/7$

g) Calculate the mean, the median and the mode for the following.

i) 43, 61, 55, 27, 43, 59, 62

ii) 112, 98, 118, 96, 100, 118, 107



Activity Two

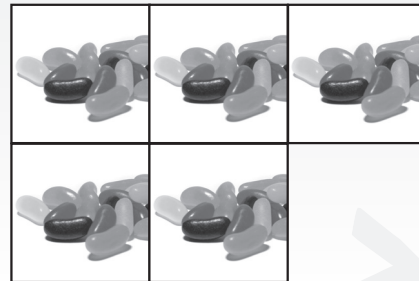
a) Round each number to the nearest 1000.

- i) 11 349 _____ ii) 501 _____ iii) 172 601 _____

b) Write each number in expanded form.

- i) 15 603 = _____
 ii) 263 499 = _____

c) For the following picture, write as many multiplication and division sentences that you can.



Answer:

d) Multiply the following.

i)
$$\begin{array}{r} 7159 \\ \times 37 \\ \hline \end{array}$$

ii)
$$\begin{array}{r} \$50.25 \\ \times 33 \\ \hline \end{array}$$

iii)
$$\begin{array}{r} 49.2 \\ \times 7.1 \\ \hline \end{array}$$

iv)
$$\begin{array}{r} \$225.90 \\ \times 82 \\ \hline \end{array}$$

e) What is the least common multiple (LCM) of the following numbers (excluding 1).

i) 3 and 7 =

ii) 5 and 2 =

iii) 6 and 10 =

f) Solve the following.

i) $8^2 =$

ii) $12^2 + 2^2 =$

iii) $4^3 =$

iv) $6^3 + 6^1 =$



Activity Three

- a) The following chart shows the fraction of Sara's total time spent at each attraction at an amusement park last summer. Convert these fractions into percentages.

		Fraction	Percent
i)	The Hurricane	$\frac{3}{10}$	
ii)	Laser Tag	$\frac{1}{10}$	
iii)	Bumper Boats	$\frac{1}{5}$	
iv)	Rock Wall	$\frac{2}{5}$	

- b) Record the following numbers in the accompanying place value charts.

i) 45691.003

Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

ii) 70834.321

Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

- c) Write the improper fraction equivalent for each mixed number.

i) $4 \frac{1}{2} =$

ii) $8 \frac{1}{3} =$

iii) $5 \frac{2}{5} =$

iv) $9 \frac{3}{8} =$

v) $7 \frac{2}{7} =$

vi) $10 \frac{5}{9} =$

- d) Find the value of each percent.

i) 15% of 2500

ii) 30% of 360

- e) Circle the larger fraction in each pair.

i) $\frac{2}{5}$ or $\frac{2}{6}$

ii) $\frac{1}{3}$ or $\frac{2}{5}$

iii) $\frac{1}{2}$ or $\frac{3}{5}$

- f) Solve the following.

i) $0.01 \times 620 =$ _____

ii) $23.7 \times 100 =$ _____

iii) $10^2 \times 45 =$ _____

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Activity Four

a) Reduce the following to their simplest form.

i) $5/25 =$

ii) $8/72 =$

iii) $12/144 =$

iv) $9/81 =$

b) Multiply the following.

i) $\begin{array}{r} \$361.98 \\ \times \quad 44 \\ \hline \end{array}$

ii) $\begin{array}{r} 77.902 \\ \times \quad 0.7 \\ \hline \end{array}$

iii) $\begin{array}{r} \$2470.50 \\ \times \quad 371 \\ \hline \end{array}$

iv) $\begin{array}{r} 0.8061 \\ \times 0.84 \\ \hline \end{array}$

c) Write the next numbers in the following patterns.

i) 121, 132, 143, _____, _____

ii) 77, _____, 61, 53, _____

d) Solve the following.

i) $(12 \times 3) (6 \times 4) =$

ii) $12 + 10 \div 5 - (4 \times 2) =$

iii) $2.6 + 3.2 (7) =$

iv) $4 \times 6 \times 4 \times 8 =$

v) $1/3 \times 1/2 =$

vi) $3/8 \div 4/5 =$

vii) $0.001 \times 539 =$

viii) $10^2 \times 23.4 =$

ix) $98 \times 10^3 =$

x) $\$45.00 \div 9 =$

xi) $2/5 \times 1/2 \times 3/4 =$

xii) $3/7 \div 2/3 =$

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Activity Five

a) Find the value of each percent.

i) 30% of 60 =

ii) 80% of 40 =

iii) 75% of 32 =

iv) 15% of 300 =

b) Use <, >, or = to compare the fractions shown below.

i) $\frac{1}{8}$ $\frac{4}{32}$ ii) $\frac{7}{10}$ $\frac{12}{18}$ iii) $\frac{6}{11}$ $\frac{15}{30}$

c) Write the place value of the underlined digit.

i) 13 467.371 _____ ii) 901 342.331 _____

d) Write the following number in expanded form.

982 754 = _____

e) What is the greatest common factor of the following pairs of numbers?

i) 10 and 15 ii) 16 and 24

f) Show each of the following fractions as a percent.

i) $\frac{5}{20}$ = ii) $\frac{3}{60}$ = iii) $\frac{7}{25}$ = iv) $\frac{19}{50}$ =

g) Divisor = 7, Dividend = 936, Remainder = 5. What is the quotient? _____

h) Divisor = 8, Dividend = 407, Remainder = 7. What is the quotient? _____

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Activity Six



a) Round each number to the nearest hundredth.

i) $34.671 =$ _____

ii) $2.901 =$ _____

iii) $18.111 =$ _____

b) Multiply or divide the following.

i) $\begin{array}{r} \$23.99 \\ \times 46 \\ \hline \end{array}$

ii) $\begin{array}{r} 901.6 \\ \times 2.5 \\ \hline \end{array}$

iii) $\begin{array}{r} \$156.75 \\ \times 143 \\ \hline \end{array}$

iv) $\begin{array}{r} 23.781 \\ \times 0.006 \\ \hline \end{array}$

v) $2/3 \times 5 \times 1/2 =$

vi) $0.20 \times 54 =$

vii) $2/7 \div 8/9 =$

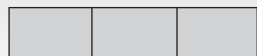
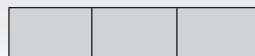
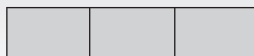
viii) $3/5 \div 2/6 \times 1/3 =$

c) Write the following numbers in words.

i) $65\,234 =$ _____

ii) $178\,935 =$ _____

d) What fraction does the following represent?



$=$ _____

e) Find the prime factors of the following numbers.

i) $24 =$

ii) $60 =$

iii) $28 =$

1.**a)**

- i) 17,021, 17,012,
1,7021, 1,7012
ii) 0.1053, 0.0353,
0.0053, 0.0035

b)

- i) two hundred thirty-
four thousand eight
hundred twelve
ii) one million three
hundred forty-nine
thousand twenty-five

c) 8:16**d)**

- i) 30 ii) 86
iii) 154 iv) 47

e) 50%**f)**

- i) = ii) < iii) >

g)

- i) Mean = 50,
Median = 55,
Mode = 43
ii) Mean = 107,
Median = 107,
Mode = 118

1A**2.****a)**

- i) 11 000 ii) 1000
iii) 173 000

b)

- i) 10 000 + 5000
+ 600 + 3
ii) 200 000 + 60 000
+ 3000 + 400 + 90 + 9

c)

- $9 \times 5 = 45$, $5 \times 9 = 45$,
 $45 \div 9 = 5$, $45 \div 5 = 9$

d)

- i) 264 883 ii) \$1658.25
iii) 349.32 iv) \$18 523.80

e)

- i) 21 ii) 10 iii) 30

f)

- i) 64 ii) 148
iii) 64 iv) 222

2A**3.****a)**

- i) 30% ii) 10%
iii) 20% iv) 40%

b)

Ten Thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
4	5	6	9	1	0	0	3
7	0	8	3	4	3	2	1

c)

- i) $\frac{9}{2}$ ii) $\frac{25}{3}$
iii) $\frac{27}{5}$ iv) $\frac{75}{8}$
v) $\frac{51}{7}$ vi) $\frac{95}{9}$

d)

- i) 375 ii) 108

e)

- i) $\frac{2}{5}$ ii) $\frac{2}{5}$ iii) $\frac{3}{5}$

f)

- i) 6.2 ii) 2370 iii) 4500

3A**4.****a)**

- i) $\frac{1}{5}$ ii) $\frac{1}{9}$
iii) $\frac{1}{12}$ iv) $\frac{1}{9}$

b)

- i) \$15 927.12
ii) 54,5314
iii) \$916555.50
iv) 0.677124

c)

- i) 154, 165 ii) 69, 45

d)

- i) 864 ii) 6
iii) 25 iv) 768
v) $\frac{1}{6}$ vi) $\frac{15}{32}$
vii) 0.539 viii) 2340
ix) 98000 x) \$5.00
xi) $\frac{6}{40}$ or $\frac{3}{20}$
xii) $\frac{9}{14}$

4A**5.****a)**

- i) 18 ii) 32
iii) 24 iv) 45

b)

- i) = ii) > iii) >

c)

- i) hundredths
ii) hundred thousands

d)

- $900\ 000 + 80\ 000 +$
 $2000 + 700 + 50 + 4$

e)

- i) 5 ii) 8

f)

- i) 25% ii) 5%
iii) 28% iv) 38%

g) 133**h)** 50**5A****6.****a)**

- i) 34.67
ii) 2.90
iii) 18.11

b)

- i) \$1103.54
ii) 2254
iii) \$22415.25
iv) 0.142686
v) $\frac{10}{6}$ or $1\frac{2}{3}$
vi) 10.8
vii) $\frac{18}{56}$ or $\frac{9}{28}$
viii) $\frac{18}{30}$ or $\frac{3}{5}$

c)

- i) sixty-five thousand
two hundred thirty-four
ii) one hundred
seventy-eight
thousand nine
hundred thirty-five

d) 3 $\frac{2}{3}$ **e)**

- i) $2 \times 2 \times 2 \times 3$
ii) $2 \times 2 \times 3 \times 5$
iii) $2 \times 2 \times 7$

6A