

# Process Standards Rubric

## Number and Operations – Drill Sheets

Drills	Expectations			
	GOAL 1: Problem Solving	GOAL 2: Reasoning & Proof	GOAL 3: Communication	GOAL 4: Connections
Warm-up 1	✓	✓	✓	✓
Timed Drill 1	✓	✓	✓	✓
Timed Drill 2	✓	✓	✓	✓
Warm-up 2	✓	✓	✓	✓
Timed Drill 3	✓	✓	✓	✓
Timed Drill 4	✓	✓	✓	✓
Warm-up 3	✓	✓	✓	✓
Timed Drill 5	✓	✓	✓	✓
Timed Drill 6	✓	✓	✓	✓
Warm-up 4	✓	✓	✓	✓
Timed Drill 7	✓	✓	✓	✓
Timed Drill 8	✓	✓	✓	✓
Warm-up 5	✓	✓	✓	✓
Timed Drill 9	✓	✓	✓	✓
Warm-up 6	✓	✓	✓	✓
Timed Drill 10	✓	✓	✓	✓
Timed Drill 11	✓	✓	✓	✓
Review A	✓	✓	✓	✓
Review B	✓	✓	✓	✓
Review C	✓	✓	✓	✓
	GOAL 5: Representation			

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



**11a) Solve the following.**

Ex:  $1/2 \div 1/5 = 1/2 \times 5/1 = 5/2$  or  $2 \frac{1}{2}$

i)  $232 \times 10^2 =$

ii)  $76.29 \times 10^1 =$

iii)  $(12 + 9)^2 - (8 \times 3) =$

iv)  $(3.2 + 6.43) - (12 - 8) =$

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

vi)  $9/10 \div 7/8 =$



**b) Put the following sets of numbers in order from greatest to least.**

i) 17.001, 1.701, 17.01, 71.010 \_\_\_\_\_

ii) 0.023, 0.230, 0.0023, 0.1023 \_\_\_\_\_

**c) Jasmine works at a local restaurant as a waitress. As she improves her waitressing skills the tips she receives from customers have increased accordingly. Her tips for the last three days are shown in the chart below. If her tips increase at this rate, what will she probably receive in tips on Day 4?**

Day	Tips
1	\$16.00
2	\$22.00
3	\$28.00
4	

**d) Write the improper fraction equivalent for each mixed number.**

Ex:  $4 \frac{3}{5} = ((5 \times 4) + 3)/5 = 23/5$

i)  $3 \frac{1}{2} =$

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

iii)  $2 \frac{9}{10} =$

iv)  $17 \frac{2}{3} =$

v)  $6 \frac{3}{4} =$

vi)  $12 \frac{2}{5} =$

**e) Find the value of each percent.**

i) 18% of 3200

ii) 44% of 9300

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



# 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.**

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

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

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

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

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

# Place Value, Ordering



a) Solve the following.

i)  ×  =

ii)  +  =

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

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

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

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

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)	<input type="text"/>	ii)	<input type="text"/>	iii)	<input type="text"/>
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e) Write the following group of numbers in order from least to greatest.

i)	<input type="text"/>
	<input type="text"/>