Fluency 1 Review
5.NBT.1

Name: _____ #____

Date: _____

Multiplying & Dividing by Powers of 10

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1) $0.14 \times 10^3 =$

   a) 1.4
   b) 14
   c) 140
   d) 1,400

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2) In the decimal 333.33, which is $\frac{1}{100}$ the value of the 3 in the hundreds place?

   a) The 3 in the hundredths place.
   b) The 3 in the tenths place.
   c) The 3 in the ones place.
   d) The 3 in the tens place.

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3) $784 \times 100 =$

   a) 7,840
   b) 78,400
   c) 784,000
   d) 7,840,000

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4) Which has a product of 4.6?

   a) $0.46 \times 1,000$
   b) 0.46×100
   c) 0.46×10
   d) $0.046 \times 1,000$

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5) Jordan ran 10 miles in 78.3 minutes. On average, how long did it take Jordan to run each mile?

   a) 7.83 min
   b) 0.783 min
   c) 78.3 seconds
   d) 783 seconds

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6) Which has a value 1,000 times greater than 0.9?

   a) 9,000
   b) 900
   c) 90
   d) 0.009

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7) $5.14 \div 10^2 =$

   a) 514
   b) 51.4
   c) 0.514
   d) 0.0514

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8) $87.93 \times 10^4 =$

   a) 879.3
   b) 8,793
   c) 87,930
   d) 879,300

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9) Which has $\frac{1}{10}$ the value of 800?

   a) 80
   b) 8
   c) 0.8
   d) 0.08

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10) Robert wrote a number on the board and then underlined the 8 in the thousandths place.

   1.84<u>8</u>

Which statement is true about Robert's number?

   a) The 8 in the thousandths place is 10 times greater than the 8 in the tenths place.
   b) The 8 in the thousandths place is 100 times greater than the 8 in the tenths place.
   c) The 8 in the thousandths place is $\frac{1}{10}$ the size of the 8 in the tenths place.
   d) The 8 in the thousandths place is $\frac{1}{100}$ the size of the 8 in the tenths place.

Fluency 1 Review
5.NBT.2

Name: _____   #: _____

Date: _____

Patterns of Zero Within a Number

1) What is the value of 10^8?

a) one hundred thousand
b) one million
c) ten million
d) one hundred million

2) Which exponent would correctly complete the equation below?

$$76 \times 10^? = 7,600,000$$

a) 6
b) 5
c) 4
d) 3

3) Which number would correctly complete the equation below?

$$2 \times \underline{\hspace{1cm}} = 2,000,000$$

a) 10,000
b) 100,000
c) 1,000,000
d) 10,000,000

4) When you multiply a whole number by 10 you _____

a) add one zero at the end of the number.
b) add two zeros at the end of the number.
c) add three zeros at the end of the number.
d) add four zeros at the end of the number.

5) Ms. Johnson multiplied 4.235×10^5. She can solve the problem mentally by using which of the methods below?

a) She shifts the digits 5 places greater on the place value chart.
b) She shifts the digits 5 places smaller on the place value chart.
c) She shifts the digits 6 places greater on the place value chart.
d) She shifts the digits 6 places smaller on the place value chart.

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6) $10^2 =$

a) 10×10
b) $10 \times 10 \times 10$
c) $10 \times 10 \times 10 \times 10$
d) $10 \times 10 \times 10 \times 10 \times 10$

7) Which expression has the same product as 13×100?

a) 13×10
b) 13×10^2
c) 13×10^3
d) 13×10^4

8) When you multiply a whole number by 1,000 you _____

a) add one zero at the end of the number.
b) add two zeros at the end of the number.
c) add three zeros at the end of the number.
d) add four zeros at the end of the number.

9) Which number would correctly complete the equation below?

$$20 \times \underline{\hspace{1cm}} = 200,000$$

a) 10
b) 100
c) 1,000
d) 10,000

10) Which exponent would correctly complete the equation below?

$$3.4 \times 10^? = 3,400$$

a) 2
b) 3
c) 4
d) 5