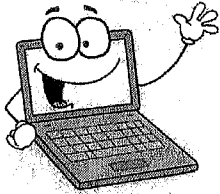Name: _____

Want a quick review? Check out this week's (or previous week's) tutorials at mcdbsesmath.weebly/homework.html .

This week's topics: modeling comparative relationships, finding factors of a #, distinguishing prime/composite #s.

Think about the value of the 8 in each number. Create new numbers with 8s that are worth 10 times as much as in the original number. You may not repeat digits in your new numbers.

original number	new number
8,095	__ __ __ , __ __ __
3,795,286	__ , __ __ __ , __ __ __
807,253	__ , __ __ __ , __ __ __

Round these numbers to the nearest ten thousand.

38,204 _____   75,000 _____   21,643 _____   69,014 _____

Fill in the blanks to make each statement true.

6 is a factor of _____ but **not** a factor of _____.
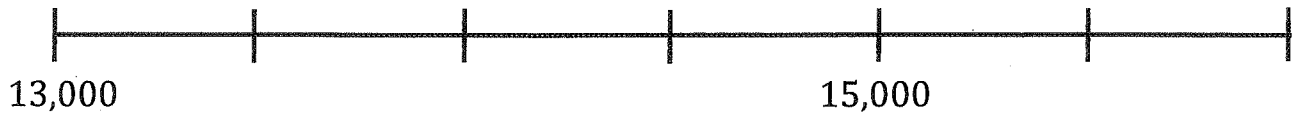
8 is a factor of _____ and _____.   _____ is **not** a factor of 60.

9 and 4 are both factors of _____.   16 is a factor of _____.

_____ is a factor of 32.   3 is a factor of _____, but 6 is **not**.

Place 14,618 and 15,091 on the number line.

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├────┼────┼────┼────┼────┼────┼────┤
13,000                    15,000
```

Circle each interstate sign that shows a prime number.

INTERSTATE **80**   INTERSTATE **25**   INTERSTATE **33**   INTERSTATE **17**   INTERSTATE **1**

Four of the expressions below have the same value. Identify and circle the four equivalent expressions.

9 times as big as 3   4 times greater than 6   5 times the size of 5

3 times greater than 12   8 times bigger than 4   2 times as big as 12

6 times as big as 7   2 times as large as 9   12 times the size of 2

Write a comparison statement to show the relationship between each set of three numbers. Ex: 27 is 3 times greater than 9.

20, 4, and 5 _____

8, 32, and 4 _____