Teacher Created Number Line Problems

**Third Grade**

1. Use the number line to find the quotient of 15 and 3.

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1. Use the number line to find the difference between 551 and 245. Be sure to explain your reasoning.

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1. Use the number line to find the sum of 1/3 + 5/6.

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1. Use the number line to find the sum of 551 and 245. Be sure to explain your reasoning.

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1. Use a number line to solve the following problem in at least three different ways:

456 + 187.  Explain your solutions.

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1. Find 4 X 9 on a number line.

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1. Use the number line to show the product of 5 and 12 two different ways.

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1. Janette’s mom bought sandwiches for the class.  Each student gets half of a sandwich. Graph on the number line how many sandwiches will be needed four 7 students.

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1. Round the number 428 to the nearest ten and then to the nearest hundred using the number line to show your thinking.

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1. Use a number line to demonstrate two fractions that are equal to one-half.

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1. Use a number line to find the 20/4.

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1. If there were two sandwiches and they were shared with 8 people equally, then how many slices would you need to cut each sandwich into?  Use the number line to solve the problem.

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1. Represent 2/5 on a number line by defining the interval from 0 to 1
2. Sally starts her homework at 3:20 p.m. and finishes her homework at 3:35p.m.  Use a number line to show how many minutes it took her to complete her homework.

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1. Benny, the bike messenger, is delivering letters and packages on Main Street today.  He picks up papers at First Bank and peddles 6 blocks north to the end of Main Street.  He leaves the papers at City Bank.  Then he turns around and bikes 9 blocks south to pick up a package.  He turns around and peddles 4 blocks north to deliver his package and pick up another one.  He then bikes 9 blocks south to the end of Main Street.  How many blocks long is Main Street?  Use a number line to solve the problem.

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1. On an open number line show two times two. Explain how you derived at your answer.
2. On an open number line show how one quarter is a fractional part of a whole. Explain how you derived your answer.
3. GG finds a bicycle for $771.  She has saved $332 so far. Create and use a number line to show how much more money GG will need to buy the bicycle.