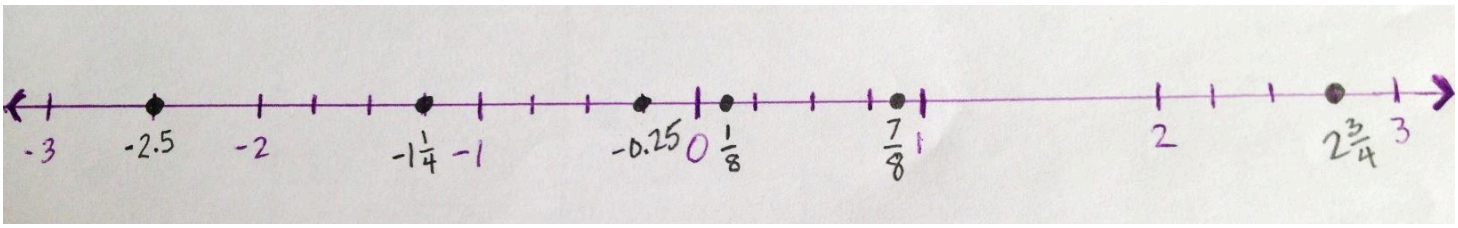
Math 6
Winter Break Packet
ANSWER KEY

PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS
Office of Academic Programs
Department of Curriculum and Instruction

Math 6 Winter Break Packet 2016-17
Answer Key

Activity 1
Student answers will vary. See activity directions and rubric.

Activity 2
Student number line should resemble the following image. Give special attention to the tick marks and plotting of the values.



Activity 3
Student answers will vary. See activity directions and rubric.

Activity 4
Students' answer should include a reasonable model to represent the application of the distributive property. For example, for 3(3x + 5):

This model shows that 3(3x + 5) is equivalent to 9x + 15 because 3 · 3x = 9x and 3 · 5 = 15.

Activity 5
Students should show, by applying one operation per line, that the value of the given expression is **33.5**. Students should show by placing parentheses in various positions, such as:

$(7 + 7) \div 2 + 2^3 \cdot 3 - 1 = 37$
$7 + 7 \div (2 + 2^3) \cdot 3 - 1 = 8.1$
$7 + 7 \div 2 + 2^3 \cdot (3 - 1) = 26.5$
$7 + 7 \div (2 + 2^3 \cdot 3) - 1 = 6\frac{7}{26}$

Activity 6
Student answers will vary. See activity directions and rubric.

Activity 7
Student answers will vary. See activity directions and rubric.

Activity 8
Students should include 10 examples that follow the model given in the example of the activity directions.

Activity 9
Student answers will vary. See activity directions and rubric.