**Math 6**

**Winter Student**

**Enrichment Packet**

***ANSWER KEY***



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PRINCE GEORGE’S COUNTY PUBLIC SCHOOLS

Office of Academic Programs

Department of Curriculum and Instruction

**Math 6 Winter Student Enrichment Packet**

**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.

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**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):

 **3x + 5**



 **3**

*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) ÷ 2 + 23 ▪ 3 – 1 = 37**

**7 + 7 ÷ (2 + 23) ▪ 3 – 1 = 8.1**

**7 + 7 ÷ 2 + 23 ▪ (3 – 1) = 26.5**

**7 + 7 ÷ (2 + 23 ▪ 3) – 1 = 6**

**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.