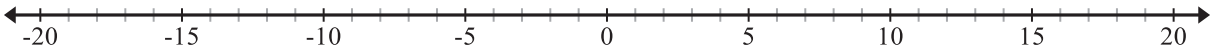
9.16.15 Classwork (Warm-up) **Name: _____** **Period: _____**

Write the meaning of each multiplication problem using a number line model. Then model the problem on the number line provided. Find the product. Some problems have been started for you.
FIRST FACTOR = Number of Groups **SECOND FACTOR = Units in Group** **PRODUCT = Answer**

1. $3 \times 5 =$ _____

   Means: There are ____ groups of _____.

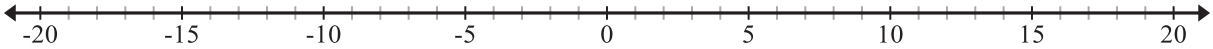
   Model:



2. $4 \times (-4) =$ _____

   Means:

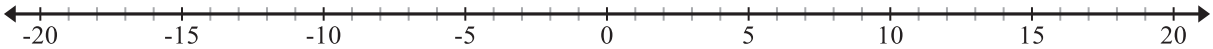
   Model:



3. $-2 \times 8 =$ _____

   Means: The OPPOSITE of _____ groups of _____.

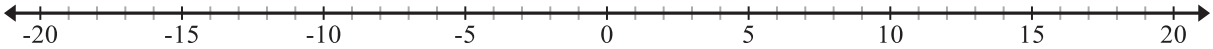
   Model:



4. $-6 \times (-3) =$

   Means:

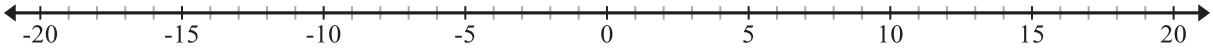
   Model:



5. $-2 \times (-7) =$

Means:

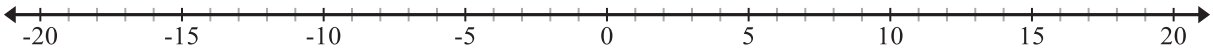
Model:



6. $-2 \times 10 =$

Means:

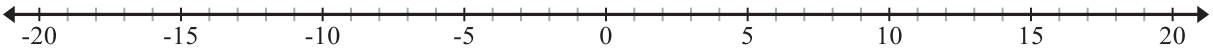
Model:



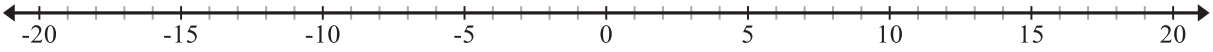
7. $-1 \times (9) =$

Means:

Model:



8. $7 \times 0 =$

Means:

Model: