

Name: \_\_\_\_\_ Date: \_\_\_\_\_ class \_\_\_\_\_

### Proportions (with Probability) Warm Up

1. 3 of 11 presenters attending the art show are girls. 64 are boys. What is the total number of girls at the art show? \_\_\_\_\_
2. A website conducted a survey about musical taste. According to the survey, 3 of 20 people prefer pop music. If 200 people took the survey, how many people would you expect to prefer pop? \_\_\_\_\_

Use the following table to answer questions 3 and 4.

At the HTMS doughnut sale on Wednesday, students could choose from several different types of doughnuts to buy. They could choose from glazed, lemon-filled, chocolate, coconut and key lime pie doughnuts. The following table displays the different types of doughnuts sold.

<u>Doughnut type</u>	<u>Number sold</u>
Glazed	25
Lemon Filled	13
Chocolate	12
Coconut	10
Key lime	15

3. Based on these results, what is the best prediction of key lime doughnuts if they expect to sale 225 doughnuts the following week? \_\_\_\_\_
4. How many glazed doughnuts do they expect to sale? \_\_\_\_\_

5. It takes Mrs. Garrett 25 minutes to make one test for a mathematics class. How long will it take to make five different tests for five different classes? \_\_\_\_\_

6. Sally uses 3 cups of flour to make 15 sweet rolls. How many cups of flour would she need to make 45 sweet rolls? \_\_\_\_\_

7. It takes Sam 20 minutes to burn 10 CDs. How long would it take Sam to burn 13 CDs?  
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8. If Katlyne reads 85 pages in 2 hours, how many hours will it take her to read 255 pages?  
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