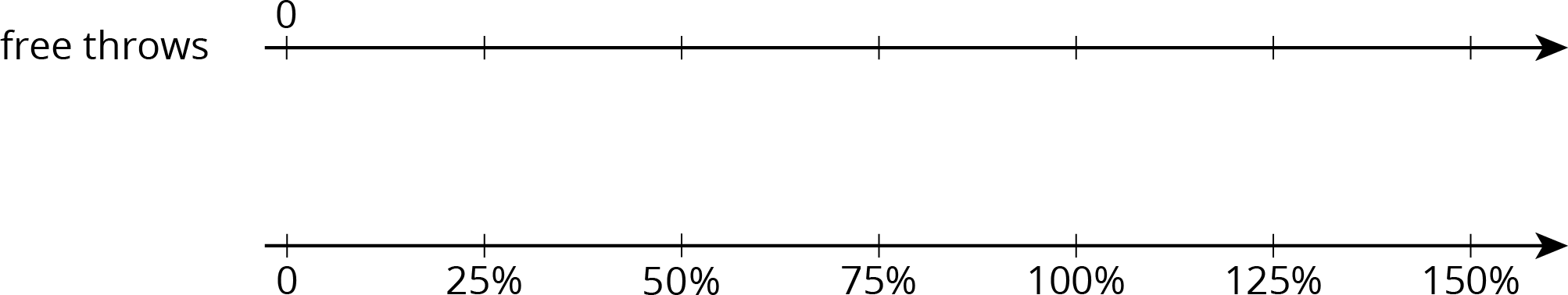
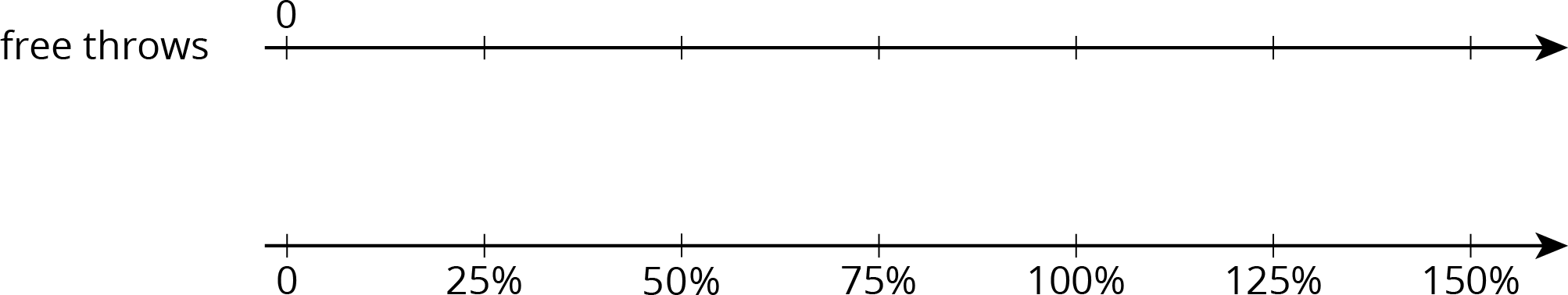
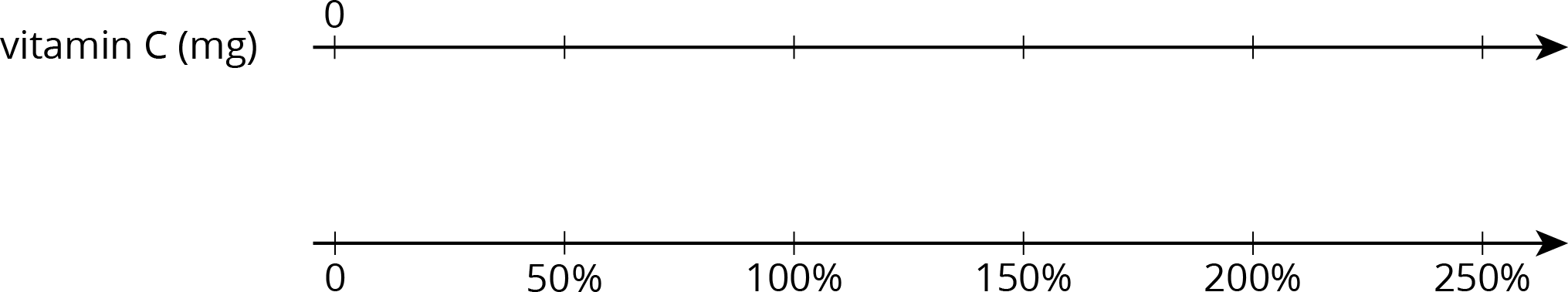
## Unit 3 Lesson 11 Cumulative Practice Problems

1. Solve each problem. If you get stuck, consider using the double number lines.
   1. During a basketball practice, Mai attempted 40 free throws and was successful on 25% of them. How many successful free throws did she make?
   * 
   1. Yesterday, Priya successfully made 12 free throws. Today, she made 150% as many. How many successful free throws did Priya make today?
   * 
2. A 16-ounce bottle of orange juice says it contains 200 milligrams of vitamin C, which is 250% of the daily recommended allowance of vitamin C for adults. What is 100% of the daily recommended allowance of vitamin C for adults?

* 

1. At a school, 40% of the sixth-grade students said that hip-hop is their favorite kind of music. If 100 sixth-grade students prefer hip hop music, how many sixth-grade students are at the school? Explain or show your reasoning.
2. Diego has a skateboard, scooter, bike, and go-cart. He wants to know which vehicle is the fastest. A friend records how far Diego travels on each vehicle in 5 seconds. For each vehicle, Diego travels as fast as he can along a straight, level path.

|  |  |
| --- | --- |
| * vehicle | * distance traveled |
| * skateboard | * 90 feet |
| * scooter | * 1,020 inches |
| * bike | * 4,800 centimeters |
| * go-cart | * 0.03 kilometers |

* 1. What is the distance each vehicle traveled in centimeters?
  2. Rank the vehicles in order from fastest to slowest.
* (From Unit 3, Lesson 9.)

1. It takes 10 pounds of potatoes to make 15 pounds of mashed potatoes. At this rate:
   1. How many pounds of mashed potatoes can they make with 15 pounds of potatoes?
   2. How many pounds of potatoes are needed to make 50 pounds of mashed potatoes?

* (From Unit 3, Lesson 7.)



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