WRITING INEQUALITIES: MATCHING ACTIVITY

Each of the word problems below can be represented by an inequality. First, cut out all of the cards. Then, pair each word problem with its matching inequality card.

1 Cory is making cookies for his neighbors. He is trying a new recipe that makes 15 oatmeal cookies. Cory will try some of the cookies before he gives them to his neighbors, so he'll give away fewer cookies than the recipe makes.

Let *x* represent the number of oatmeal cookies Cory plans to give his neighbors.

E $x < 15$

2 Gianna is getting ready for her Sunday afternoon performance at the community theater. She needs at least 15 minutes to put on her costume and makeup.

Let *x* represent the number of minutes Gianna needs to put on her costume and makeup.

H $x \geq 15$

3 Nova and Hazel are cleaning their rooms before they play video games. It takes over an hour for Nova to clean her room, but Hazel spends no more than 30 minutes cleaning.

Let *x* represent the number of minutes Hazel spends cleaning.

G $x \leq 30$

4 Lincoln is saving up his money to buy new wheels for his skateboard. He only has $10 so far, and he needs to save at least $30 more to afford a new set of wheels.

Let *x* represent the amount of money Lincoln still needs to save.

C $x \geq 30$

5 Skyscope Interactive is hosting a midnight premiere for a new movie tonight. At 4:00 p.m., there are more than 30 people already lined up outside the theater for the premiere.

Let *x* represent the number of people lined up outside the movie theater at 4:00 p.m.

B $x > 30$

6 Jack is making some salads for dinner. He puts $2\frac{1}{2}$ tablespoons of dressing on the first salad. On the second salad, he plans to add less salad dressing.

Let *x* represent the amount of salad dressing, in tablespoons, Jack plans to add to the second salad.

A $x < 2\frac{1}{2}$

7 Raegan is training for a marathon. On her run this Saturday, she plans to go farther than her longest run so far, which was 15 miles.

Let *x* represent the distance, in miles, Raegan plans to run on Saturday.

I $x > 15$

8 Liya plans to ride the train to visit her grandparents. The train is usually on time, but due to a mechanical issue, Liya waits for over $2\frac{1}{2}$ hours to board the train.

Let *x* represent the amount of time Liya waits to board the train.

D $x > 2\frac{1}{2}$

9 Damien is making a potting soil mix for his house plants. He needs $3\frac{1}{2}$ cups of soil and at most $2\frac{1}{2}$ cups of compost.

Let *x* represent the amount of compost, in cups, Damien needs to use.

F $x \leq 2\frac{1}{2}$