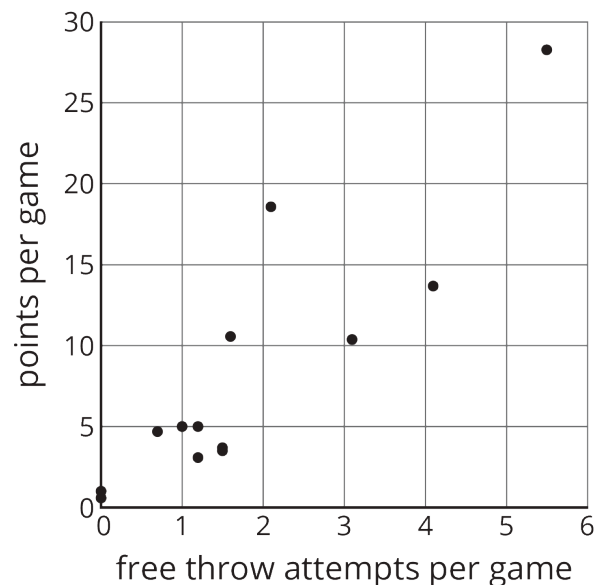


## Lesson 3 Practice Problems

1. Here is a table and a scatter plot that compares points per game to free throw attempts for a basketball team during a tournament.

player	free throw attempts	points
player A	5.5	28.3
player B	2.1	18.6
player C	4.1	13.7
player D	1.6	10.6
player E	3.1	10.4
player F	1	5
player G	1.2	5
player H	0.7	4.7
player I	1.5	3.7
player J	1.5	3.5
player K	1.2	3.1
player L	0	1
player M	0	0.8
player N	0	0.6



- Circle the point that represents the data for Player E.
- What does the point (2.1, 18.6) represent?
- In that same tournament, Player O on another team scored 14.3 points per game with 4.8 free throw attempts per game. Plot a point on the graph that shows this information.

2. Select **all** the representations that are appropriate for comparing exam score to number of hours of sleep the night before the exam.

- A. Histogram
- B. Scatter plot
- C. Dot plot
- D. Table
- E. Box plot

(From Unit 6, Lesson 2.)

3. A cylinder has a volume of  $36\pi \text{ cm}^3$  and height  $h$ . Complete this table for the volume of other cylinders with the same radius but different heights.

height (cm)	volume ( $\text{cm}^3$ )
$h$	$36\pi$
$2h$	
$5h$	
$\frac{h}{2}$	
$\frac{h}{5}$	

(From Unit 5, Lesson 17.)