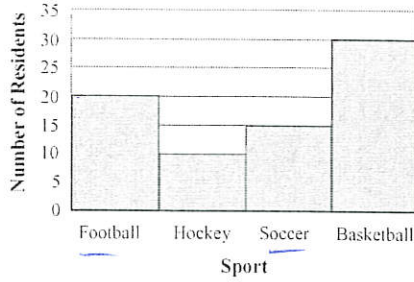# Chapter 9 Practice Quiz

1. **SURVEY** A survey was taken of local residents to determine their favorite sport to watch live. The survey results are shown on the graph. How many respondents preferred to watch either football or soccer?
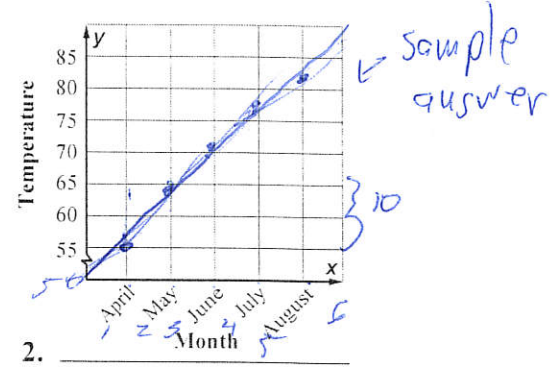
1. ___*35 people*___

$20 + 15$

2. **WEATHER** Average temperatures for various months are given in the table below. Construct a scatter plot of the data. Draw a line that best seems to fit the data.

Month	1(April)	2(May)	3(June)	4(July)	5(Aug)
Average Temperature	55°	65°	72°	78°	81°

← sample answer

2. *(sample answers)*

3. Write an equation for the line of fit that you have drawn.

*3. $y = 10x + 50$

4. Use the equation to make a conjecture about the average temperature in September.
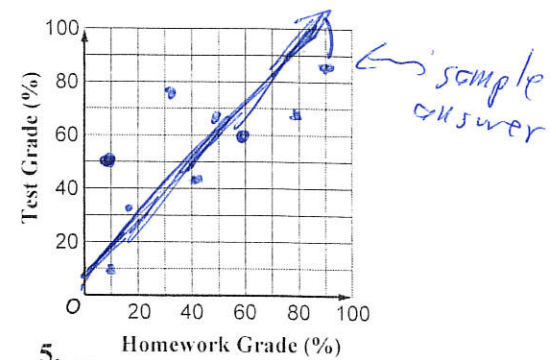
$x = 6$

*4. $y = 10(6) + 50 = 110$

For Exercises 5 and 6, use the following table.

Homework Grade (%)	10	92	80	32	60	40	15	50
Test Grade (%)	55	89	69	77	60	45	32	70

5. Construct a scatter plot of the data.

← sample answer

5.

6. Does the scatter plot show a *positive*, *negative*, or *no* relationship?

6. ___*positive*___

7. Use the two-way table to determine the relative frequency of students who play a sport and like football to the total number of students plays a sport. Round to the nearest hundredth.

7. $\dfrac{50}{60} = .833\ldots = .83$

	Likes football	Dislikes football
Plays a sport	50	10
Does not play a sport	10	30