

3C Use ratios to make predictions in proportional situations

1. Jon surveyed 20 people to determine their favorite drink.

Drink	No. of People
Water	6
Soda	12
Tea	2

Based on this table, if 50 people were surveyed, how many would choose soda as their favorite drink?

- A 20
B 30
C 45
D 60
2. At Jenna's school, the ratio of boys to girls is 4 to 5. If Jenna's Language Arts class has 12 boys, how many girls would you expect in the class?
- A 5
B 10
C 15
D 20

3. For every 3 baseball games Bill plays, he earns 1 home run. About how many home runs would you expect him to earn in 15 games?

- A 3
B 4
C 5
D 6

4. Paul asked students to name their favorite color. The results of his poll are shown in the table below.

Color	No. of Students
Red	4
Green	8
Blue	3

In a class of 30 students, how many students would you expect to select red as their favorite color?

- A 6
B 8
C 9
D 16