

Lesson 13 ~ Probability

Name _____ Period _____ Date _____

Find each probability for 1 roll of a regular number cube. Write as a fraction in simplest form.

1. $P(2)$
2. $P(3, 4 \text{ or } 5)$
3. $P(8)$
4. $P(\text{even number})$
5. $P(\text{number less than } 3)$
6. $P(1 \text{ through } 6)$

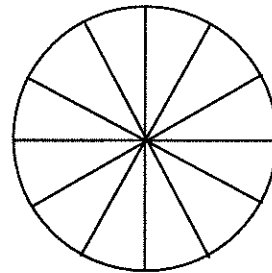
A student is chosen at random from a 7th grade math class of 16 girls and 8 boys. Find each probability.

7. $P(\text{girl})$
8. $P(\text{boy})$
9. $P(\text{not a boy})$
10. $P(\text{boy or girl})$
11. $P(\text{neither boy nor girl})$
12. $P(\text{not a girl})$

13. Color the spinner to match the given probabilities.

$$P(\text{yellow}) = \frac{5}{12} \quad P(\text{blue}) = \frac{1}{4}$$

$$P(\text{green}) = \frac{1}{6} \quad P(\text{red}) = \frac{1}{6}$$



14. Mark and Abby played a game which required flipping a coin. Mark won when the coin landed heads and Abby won when the coin landed tails. Below is the table showing their wins.

Person	Mark	Abby
Number of Wins	10	15

- a. Find the experimental probability Mark wins.
 - b. Find the experimental probability Abby wins.
 - c. Find the theoretical probability Mark will get a win on the next flip of the coin.
15. Paul hit 4 homeruns out of 16 pitches at batting practice. Find the experimental probability he will hit a homerun on his next pitch at batting practice.