

LESSON

Practice B

6-2 Fractions, Decimals, and Percents

Write each decimal as a percent.

1. 0.17

2. 0.56

3. 0.04

4. 0.7

5. 0.025

6. 0.803

7. 0.3

8. 0.072

Write each fraction as a percent.

9. $\frac{13}{40}$

10. $\frac{3}{5}$

11. $\frac{3}{20}$

12. $\frac{5}{12}$

13. $\frac{5}{16}$

14. $\frac{3}{80}$

15. $\frac{5}{6}$

16. $\frac{19}{25}$

Write each percent as a fraction in simplest form.

17. 16%

18. 49%

19. 20%

20. 15%

21. 18%

22. 60%

23. 35%

24. 46%

Write each percent as a decimal.

25. 33%

26. 57%

27. 46%

28. 6%

29. 4.7%

30. 13.2%

31. 75.8%

32. 4%

Name _____

You roll a pair of fair six-sided dice. Complete the table to find all of the possible outcomes.

	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						

- What is the theoretical probability that the sum of the numbers rolled will be six?
- What is the theoretical probability that you will roll doubles?

Calculate the experimental probability of each event. Use your graphing calculator to conduct the trials. Complete a minimum of 25 trials.

	Sum of 6	Doubles	# of trials
Tallies			
Experimental Probability			

How did the experimental probability compare to the theoretical probability of each event?

Use your calculator to simulate coin tosses. Complete at least 20 trials.

	Heads	Tails
Tallies		
Experimental Probability		

How did the experimental probability compare to the theoretical probability of tossing heads and tails?