

11-1-18

Aim: SWBAT continue to convert fractions, decimals, and percentage.

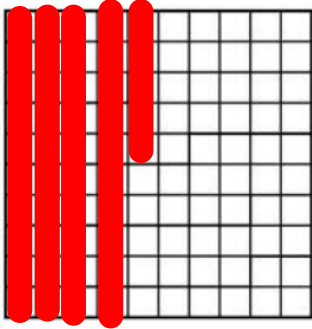
HW: Packet Page 8

Quiz Tomorrow

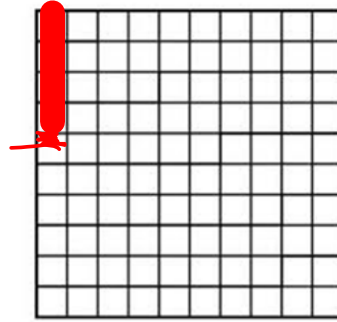
Do Now: Packet Page 4

Illustrating A Percent

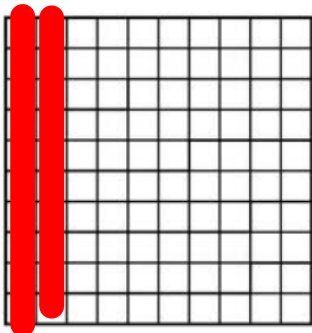
Shade squares to represent the given percent. Then write the decimal and fraction equivalent.



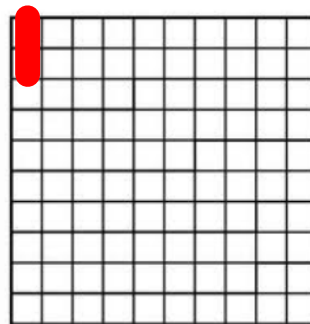
Percent	Decimal	Fraction
45%	0.45	$\frac{45}{100} = \frac{9}{20}$



Percent	Decimal	Fraction
4.5%	0.045	$\frac{4.5 \times 10}{100 \times 10} = \frac{45}{1000} = \frac{9}{200}$



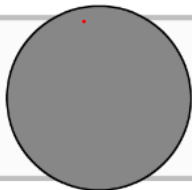
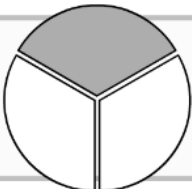
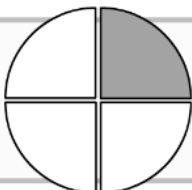
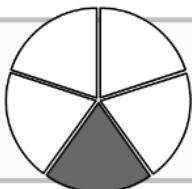
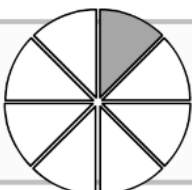
Percent	Decimal	Fraction
20%	0.2	$\frac{20}{100} = \frac{1}{5}$



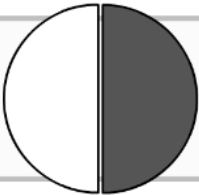
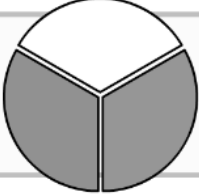
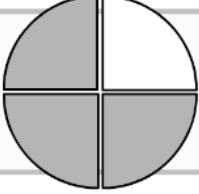
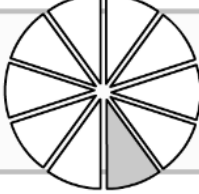
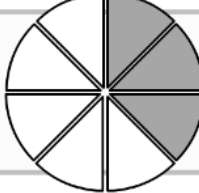
Percent	Decimal	Fraction
2%	0.02	$\frac{2}{100} = \frac{1}{50}$

$$\frac{F}{D} \times 100 = \% \qquad \% \div 100 = \frac{F}{D}$$

FRACTIONS DECIMALS PERCENTAGES ①

	FRACTION	DECIMAL	PERCENTAGE
		DIVIDE NUMERATOR BY DENOMINATOR CONVERT TO FRACTION	MULTIPLY BY 100 DIVIDE BY 100
		F	D
①		$\frac{1}{1} = 1.0 = 100\%$	
②		$\frac{1}{3} = 0.\bar{3} = 33\frac{1}{3}\%$	
③		$\frac{1}{4} = 0.25 = 25\%$	
④		$\frac{1}{5} = 0.2 = 20\%$	
⑤		$\frac{1}{8} = 0.125 = 12.5\%$	

FRACTIONS DECIMALS PERCENTAGES ②

	FRACTION	DECIMAL	PERCENTAGE
		DIVIDE NUMERATOR BY DENOMINATOR CONVERT TO FRACTION	MULTIPLY BY 100 DIVIDE BY 100
		F	D
6		$\frac{1}{2} =$	$0.5 = 50\%$
7		$\frac{2}{3} =$	$0.\bar{6} = 66\frac{2}{3}\%$
8		$\frac{3}{4} =$	$0.75 = 75\%$
9		$\frac{1}{10} =$	$0.1 = 10\%$
10		$\frac{3}{8} =$	$0.375 = 37.5\%$

Name _____

Extra Practice
(Lesson 10-7)**Fractions, Decimals, and Percents***Change each fraction to a percent.*

1. $\frac{3}{8}$

2. $\frac{5}{7}$

3. $\frac{1}{15}$

4. $\frac{3}{25}$

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

6. $\frac{9}{75}$

7. $\frac{2}{9}$

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

9. $\frac{8}{11}$

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

11. $\frac{7}{80}$

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

13. $\frac{10}{70}$

14. $\frac{8}{90}$

15. $\frac{4}{33}$

Fraction X 100

Change each decimal to a percent.

16. 0.5

17. 2.72

18. 0.65

19. 34.1

20. 9.1

21. 0.08

22. 15.7

23. 8.624

24. 35.13

25. 6.8

26. 0.01

27. 0.0125

Decimal X 100

Change each percent to a fraction in simplest form.

28. 6%

29. 12%

30. 2.5%

31. $3\frac{1}{2}\%$

32. $33\frac{1}{3}\%$

33. 14.6%

34. $6\frac{1}{4}\%$

35. 4.25%

36. $4\frac{3}{4}\%$

37. 175%

38. $8\frac{1}{8}\%$

39. 5.75%

40. 408%

41. $62\frac{1}{2}\%$

42. $71\frac{3}{7}\%$

43. 8.75%

44. $\frac{1}{3}\%$

45. $\frac{1}{2}\%$

Percent \div 100