

2-26-18

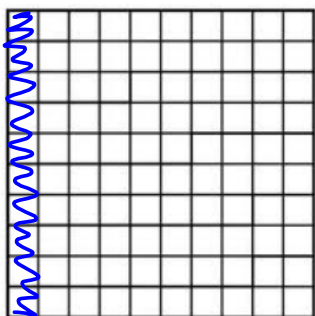
Aim: SWBAT review fraction, decimal, and percent conversions.

HW: Finish WS

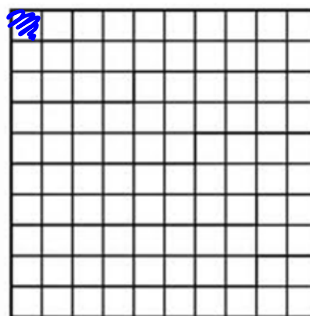
Do Now: Calculator and Shading WS

Illustrating Percents

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



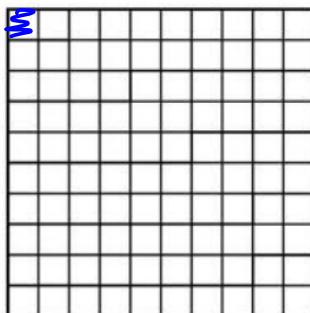
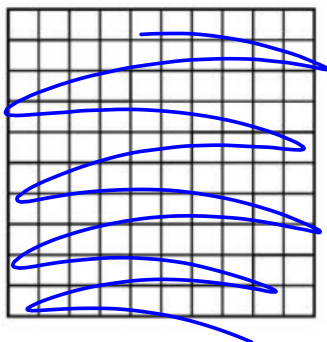
$$\frac{1}{10} = 1 \div 10$$



$$\frac{1}{100} = 1 \div 100$$

Percent	Decimal	Fraction
10%	0.10 0.1	$\frac{10}{100} = \frac{1}{10}$

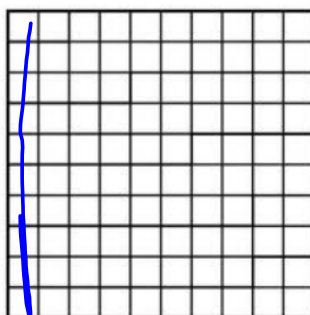
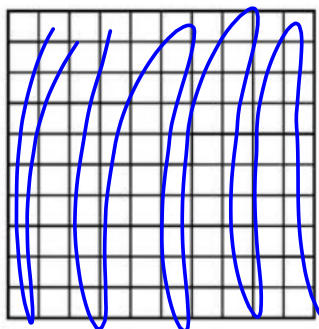
Percent	Decimal	Fraction
1%	0.01	$\frac{1}{100}$



Percent	Decimal	Fraction
101%	1.01	$\frac{101}{100}$

$$\frac{101}{100} = 101 \div 100$$

$$101 = 1.01$$



Percent	Decimal	Fraction
110%	1.1	$\frac{110}{100} = \frac{11}{10}$

$$110 \div 100$$

$$110 = 1.1$$

Percents larger than 100 give improper fractions.

Writing a Fraction/Decimal as a Percent

- Multiply the number by 100 and add a percent symbol.

0.95	95%	$\frac{7}{20}$	35%
2.7	270%	$\frac{7}{5}$	140%
0.004	0.4%	$\frac{3}{400}$	0.75%

Writing a Percent as a Decimal/Fraction

- Divide the number (without the % symbol) by 100.

$$65\% \quad 0.65 \quad \frac{13}{20}$$

$$25\% \quad 0.25 \quad \frac{1}{4}$$

$$250\% \quad 2.5 \quad \frac{5}{2}$$

$$325\% \quad 3.25 \quad \frac{13}{4}$$

$$0.3\% \quad 0.003 \quad \frac{3}{1000}$$

$$0.2\% \quad 0.002 \quad \frac{1}{500}$$

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. $\frac{4}{33}$

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

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

Finding a Percent with Mental Math

Find each percent of the given amount, mentally.

\$1	\$10	\$20	\$50	\$100	\$200
1% \$0.01	1%	1%	1%	1%	1%
10% \$0.10	10%	10%	10%	10%	10%
5% \$0.05	5%	5%	5%	5%	5%
8% \$0.08	8%	8%	8%	8%	8%
105% \$1.05	105%	105%	105%	105%	105%
108% \$1.08	108%	108%	108%	108%	108%