

11-2-18

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

HW: Packet Page 8

Quiz Monday

Do Now: Packet Page 4

Name Key

Date _____

Equivalent Fractions, Decimals, and Percents

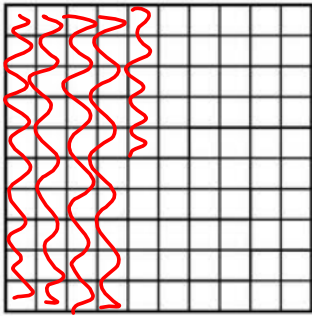
Period _____

Match the left and right column values to their equivalent value in the middle column.

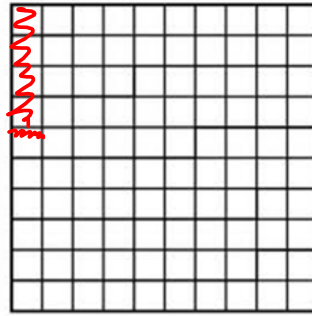
$\frac{1}{10}$		$\frac{3}{4}$		100%
0.125		60%		$0.\bar{3}$
25%		$33\frac{1}{3}\%$		$\frac{2}{3}$
$\frac{2}{5}$		0.1		50%
0.6		40%		0.75
75%		$66\frac{2}{3}\%$		12.5%
1		0.5		$\frac{1}{4}$
$\frac{1}{3}$		0.25		$\frac{3}{5}$
$0.\bar{6}$		$\frac{1}{8}$		0.4
$\frac{1}{2}$		1		10%

Illustrating A Percent

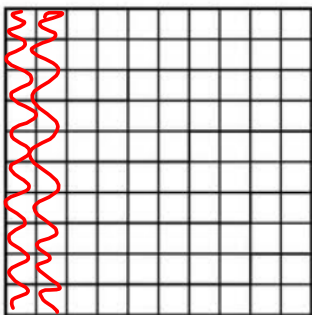
Shade squares to represent the given percent. Then write the decimal and fraction equivalent.



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

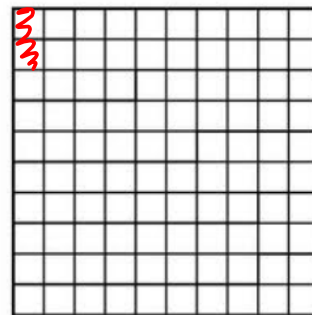


Percent	Decimal	Fraction
4.5%	0.045	$\frac{4.5 \times 10}{100 \times 10} = \frac{45}{1000} = \frac{9}{200}$



Percent	Decimal	Fraction
20%	0.20	$\frac{20}{100} = \frac{1}{5}$

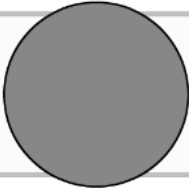
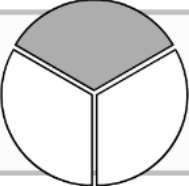
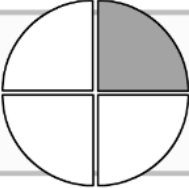
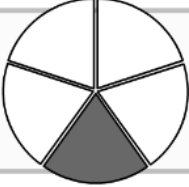
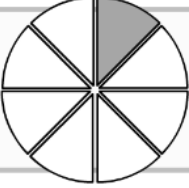
0.2



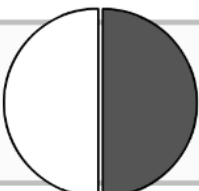
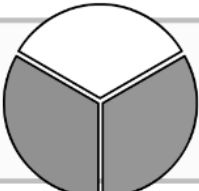
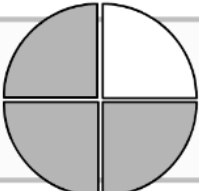

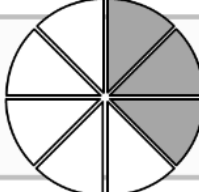
Percent	Decimal	Fraction
2%	0.02	$\frac{2}{100} = \frac{1}{50}$

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

FRACTIONS DECIMALS PERCENTAGES ①

	FRACTION	DECIMAL	PERCENTAGE
		D	P
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		$\frac{1}{8} = 0.125$	$= 12.5\%$ $12\frac{1}{2}\%$

FRACTIONS DECIMALS PERCENTAGES ②

	FRACTION	DECIMAL	PERCENTAGE
		D	P
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% $\frac{3}{50}$ | 29. 12% | 30. 2.5% |
| 31. $3\frac{1}{2}\%$ | 32. $33\frac{1}{3}\%$ $\frac{1}{3}$ | 33. 14.6% |
| 34. $6\frac{1}{4}\%$ | 35. 4.25% | 36. $4\frac{3}{4}\%$ |
| 37. 175% $\frac{7}{4}$ | 38. $8\frac{1}{8}\%$ | 39. 5.75% |
| 40. 408% | 41. $62\frac{1}{2}\%$ | 42. $71\frac{3}{7}\%$ |
| 43. 8.75% $\frac{102}{25}$ | 44. $\frac{1}{3}\%$ | 45. $\frac{1}{2}\%$ |

Percent \div 100