

Module 8 Lesson 1

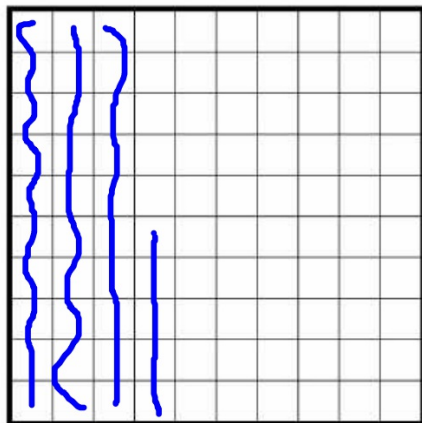
I will be able to write equivalent fractions,
decimals, and percents

Percent:

A part to whole ratio, where the whole is always
_____100_____?

Imagine you are shopping. You want to purchase an item for \$100, but it is 20% off today. What does this mean?

35



BLM 8—Blank hundredths chart (10 x 10 squares)

Percent:

35%

Fraction:

$\frac{35}{100}$

Decimals:

.35

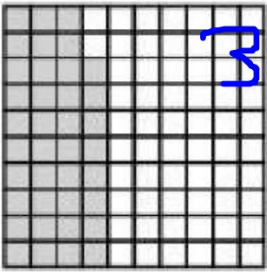
1. Make sure you have the notes from yesterday.
There are extra copies on the front table.

2. Get the worksheet that is on the front table

3. Problem of the day

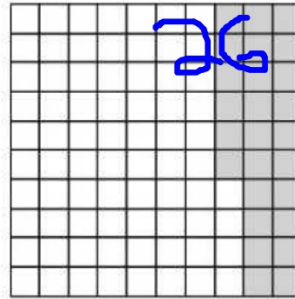
Elijah is planning a road trip using a map where 1 inch = 36 miles. His planned route is 6.5 inches long. How many miles is his planned route?

$$\frac{1 \text{ in}}{36 \text{ mi}} \rightarrow \frac{6.5}{234}$$



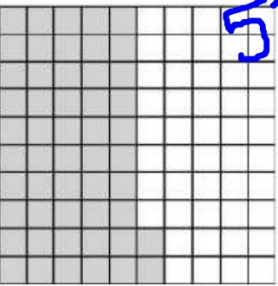
38

Fraction $\frac{38}{100} = \frac{19}{50}$
Decimal .38



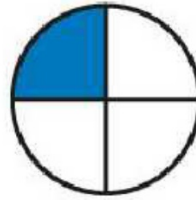
26

Fraction $\frac{26}{100} = \frac{13}{50}$
Decimal .26

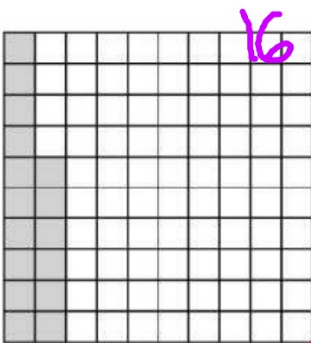


52

Fraction $\frac{52}{100} = \frac{13}{25}$
Decimal .52

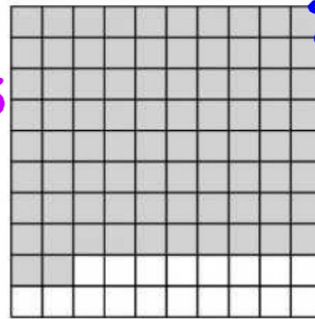


Fraction $\frac{1}{4}$
Decimal .25



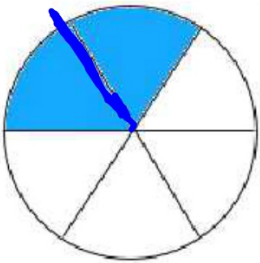
16

Fraction $\frac{16}{100} = \frac{4}{25}$
 Decimal .16
 Percent 16%



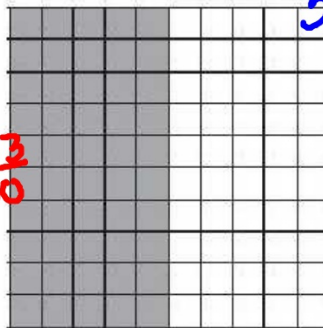
82

Fraction $\frac{82}{100} = \frac{41}{50}$
 Decimal .82
 Percent 82%



$\frac{T}{2} \div \frac{B}{6}$

Fraction $\frac{2}{6} = \frac{1}{3}$
 Decimal .33 $\frac{33}{100}$
 Percent 33%



50

Fraction $\frac{50}{100} = \frac{1}{2}$
 Decimal .5
 Percent 50%

$$1) \frac{1}{6} \quad .\overline{16} \quad 17\%$$

$$2) \frac{3}{16} \quad .\overline{1875} \quad 19\% \quad \frac{\cancel{187}}{1000} \quad \frac{19}{100} \quad \dots$$

$$3) \frac{1}{3} \quad .\overline{33} \quad 33\% \quad \dots$$

$$4) \frac{1}{20} \quad .05 \quad 5\% \quad \frac{5}{100} \quad \dots$$

$$5) \frac{2}{5} \quad .4 \quad 40\% \quad \frac{40}{100} \quad \dots$$

Fraction to a Percent Strategy 1

	Fraction	<u>Fraction</u> 100	Percent	Decimal
	8/25 $\times 4$	$\frac{32}{100}$	32%	.32
	3/25 $\times 4$	$\frac{12}{100}$	12%	.12
	13/20 $\times 5$	$\frac{65}{100}$	65% $\div 100$.65
$\frac{20}{100}$	30/25 $\times 4$	$\frac{120}{100}$	120% $\div 100$	1.2
	21/20 $\times 5$	$\frac{105}{100}$	105%	1.05

Fraction to a Percent Strategy 2

