

Representing Percent

A percent means out of 100. Percent is also another name for hundredths.

65% means 65 out of 100 (using words) or $\frac{65}{100}$ (as a fraction) or 0.65 (as a decimal)

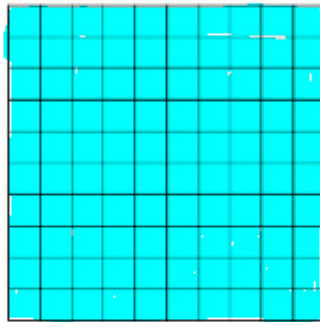
© Check video link for additional support as you complete these notes.

Determine the Percent Represented on a Grid

One completely shaded grid represents 100 %.

Representing 100% →

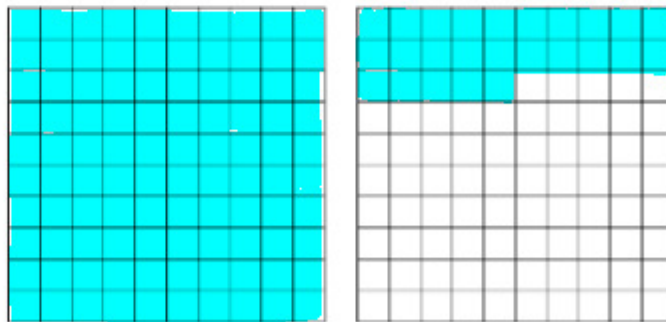
100% of the squares have been shaded.



Known as a
hundreds grid.
10 rows
10 columns
 $10 \times 10 = 100$ squares

To represent more than 100%, you need more than one hundreds grid.

Representing 125% →



100% + 25% = 125%

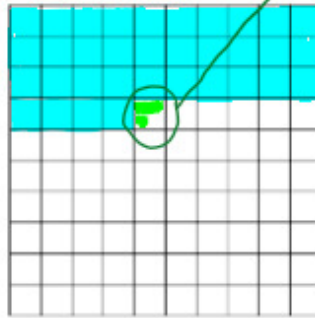
Outcome:

N3 - Demonstrate an understanding of percents greater than or equal to 0% shaded

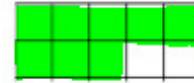
To represent fractional percents, shade part of one square on the hundred grid (be sure to show the "zoom in" of that square).

Representing 34.8% →

- Shade 34 whole squares
- Shade $\frac{8}{10}$ of "zoomed in" square



"zoom in"

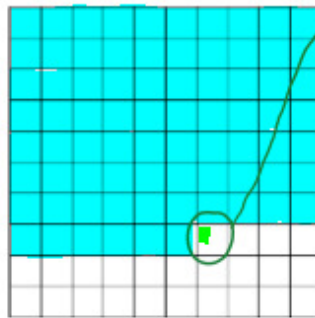


$$0.8 = \frac{8}{10}$$

Broken into 10 parts because of denominator.

Representing 76.2% →

- Shade 76 whole squares
- Shade $\frac{2}{5}$ of "zoomed in" square



"zoom in"



$$\frac{2}{5}$$

Broken into 5 parts because of denominator.



Practice the following:

Required - Page 128 #4 - 9

Optional (challenge yourself!!!) - Page 129#14, 15

Outcome:

N3 - Demonstrate an understanding of percents greater than or equal to 0%