

A3 Notes 1

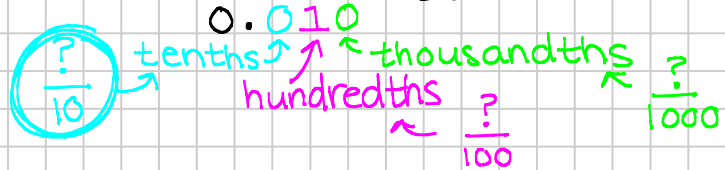
Note Title

Showing & Understanding %

17/10/2013

Percent - means "out of 100" $\frac{?}{100}$ ← fraction means to divide

- when you divide by 100, you get a decimal (if # smaller than 100)
- hundredths → shows 2 decimals



- 85% means "85 out of 100", $\frac{85}{100}$, 0.85, and grid #1.

Hundreds Grids - square, 10x10 so 100 tiny squares.
- easy way to show percent.

- What if...? your number is 18.5%?

Break 18.5% up: ① 18% → colour 18 tiny blocks grid 2

- ② 0.5% → circle one empty corner square, and redraw it larger to the side. Cut the new square into 10 pieces (because .5 is in the tenths spot)
- 0.5 → $\frac{5}{10}$ → # coloured pieces
- # pieces

- What if...? your number is $59\frac{2}{3}\%$?

Break $59\frac{2}{3}\%$ up: ① 59% → colour 59 tiny blocks grid 3

- ② $\frac{2}{3}\%$ → circle empty corner & redraw enlarged square. Cut into 3 pieces.
- ⊛ Less than 1 ⊛ $\frac{2}{3}$ → # coloured
- # pieces

- What if (you try)... $\frac{5}{7}\%$? show on grid 4.

$\frac{5}{7}\%$ is less than 1. No whole number, enlarged square only.

- What if ...? Your number is 132%? 2 grids!

Break it up ① 100% → grid #5

② 32% → grid #6

← show they are grouped

Ticket out the door:

Page 125 "Show you know" a) b) c)

Page 127 "Show you know" a) b) c)

fraction
decimal