

8.5 Percent

Per/cent

1 cent is how much of
a dollar

$\frac{1}{100}$ How much out of 100

In a basket there are
43 blue marbles, 18 red marbles
and 39 green marbles

100 total marbles

blue $\frac{43}{100}$ red $\frac{18}{100}$ green $\frac{39}{100}$

43% 18% 39%

$$57\% = \frac{57}{100} = 0.57$$

Equivalent

$$64.5\% = \frac{64.5}{1000} = \frac{645}{10000} = 0.0645$$

$$0.31\% = \frac{0.31}{10000} = \frac{31}{100000} = 0.00031$$

$$317\% = \frac{317}{100} = 3\frac{17}{100} = 3.17$$

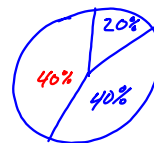
Compare

$$43\% < \frac{9 \times 5}{20 \times 5} \quad 33\% > 0.313$$

$$\frac{43}{100} \quad \frac{45}{100} \quad \frac{33}{100} \quad 0.330 \quad 0.313$$

Circle Graphs

Based on part of a whole
Based on Percent
where the total of the
sections is 100%



P 427-428

2 - 38 even