

## Chapter 6

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A Ratio is a comparison of 2 quantities by division. Remember to reduce when possible.

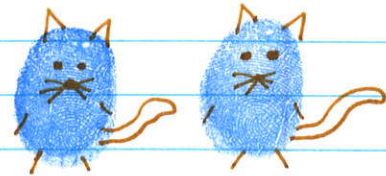
Ways to show a ratio:

- Comparing cats to mice

2 to 3

2:3

$\frac{2}{3}$



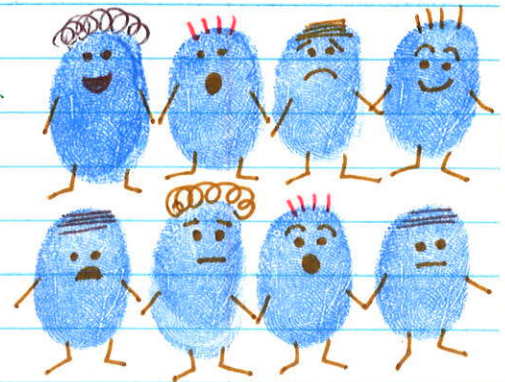
Ratios are different when comparing a part to the whole group:

- Comparing kids w/ curly hair to the whole group

1 out of 4

1:4

$\frac{1}{4}$



On a full size piano, there are 36 black keys and 52 white keys. Express this ratio as a fraction in simplest form:

$$\frac{36}{52} \quad \frac{\cancel{2} \cdot \cancel{2} \cdot 3 \cdot 3}{\cancel{2} \cdot \cancel{2} \cdot 13} \quad \frac{9}{13}$$

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A water park has 14 body slides, 8 tube slides, 2 types of swimming pools, and 6 water play areas.

Use this to write ratios as fractions in simplest form:

A) Body slides to tube slides

[Redacted]

B) Play areas: tube slides

[Redacted]

C) all slides: all attractions

[Redacted]

D) slides: not slides

[Redacted]



A turkey should bake about one hour for every four pounds.

Ratio  
[Redacted]

If an 18 pound turkey has cooked for 4 hours, has it cooked long enough?

[Redacted]

Ratio  
[Redacted]

Yes or No