RATIO

A RATIO

A.1 FINDING RATIOS IN WHOLE-PART RELATIONSHIPS

Ex 1: What is the fraction of girls to kids?

$$\boxed{2} \over \boxed{3}$$

Answer:

- There are 2 girls.
- There are 3 kids.
- The fraction of girls to kids is $\dfrac{2}{3}$.

Ex 2: What is the fraction of girls to kids?

$$\boxed{2} \over \boxed{5}$$

Answer:

- There are 2 girls.
- There are 5 kids.
- The fraction of girls to kids is $\dfrac{2}{5}$.

Ex 3: What is the fraction of triangles to shapes?

$$\boxed{3} \over \boxed{4}$$
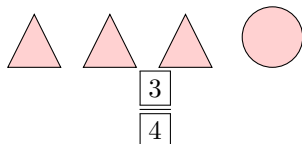
Answer:

- There are 3 triangles.
- There are 4 shapes.
- The fraction of triangles to shapes is $\dfrac{3}{4}$.

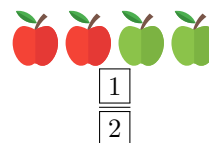**Ex 4:** What is the fraction of circles to shapes?

$$\boxed{4} \over \boxed{7}$$
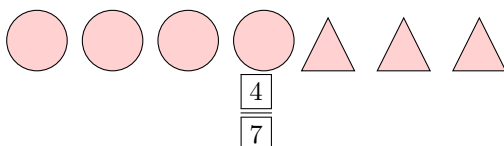
Answer:

- There are 4 circles.
- There are 7 shapes.
- The fraction of circles to shapes is $\dfrac{4}{7}$.

B EQUIVALENT RATIOS

B.1 SIMPLIFYING RATIOS

Ex 5: What is the fraction of red apples to all apples (write in simplified form)?

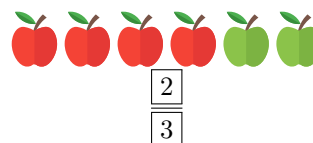

$$\boxed{1} \over \boxed{2}$$

Answer:

- There are 2 red apples.
- There are 4 apples in total.
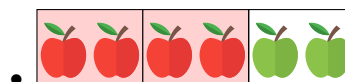- The fraction of red apples to all apples is $\dfrac{2}{4}$.

- The simplification of this fraction is $\dfrac{1}{2}$ (half are red).

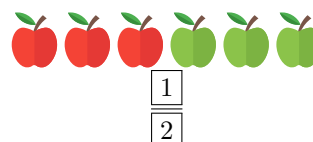**Ex 6:** What is the fraction of red apples to all apples (write in simplified form)?

$$\boxed{2} \over \boxed{3}$$

Answer:

- There are 4 red apples.
- There are 6 apples in total.
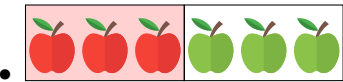- The fraction of red apples to all apples is $\dfrac{4}{6}$.

- The simplification of this fraction is $\dfrac{2}{3}$.

Ex 7: What is the fraction of red apples to all apples (write in simplified form)?
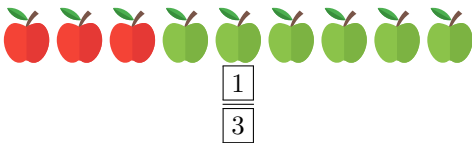

$$\boxed{1} \over \boxed{2}$$

Answer:

- There are 3 red apples.

- There are 6 apples in total.

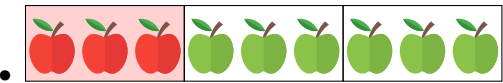- The fraction of red apples to all apples is $\frac{3}{6}$.

- The simplification of this fraction is $\frac{1}{2}$ (half are red).

Ex 8: What is the fraction of red apples to all apples (write in simplified form)?

$$\frac{1}{3}$$

Answer:

- There are 3 red apples.

- There are 9 apples in total.

- The fraction of red apples to all apples is $\frac{3}{9}$.

- The simplification of this fraction is $\frac{1}{3}$.
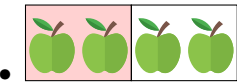
C PART IN WHOLE-PART RELATIONSHIPS

C.1 FINDING PARTS IN WHOLE-PART RELATIONSHIPS
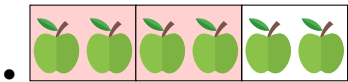
Ex 9:

$\frac{1}{2}$ of 4 is $\boxed{2}$.

Answer:
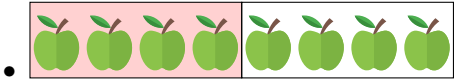

- $\frac{1}{2}$ of 4 is 2.

Ex 10:

$\frac{2}{3}$ of 6 is $\boxed{4}$.

Answer:

- $\frac{2}{3}$ of 6 is 4.

Ex 11:

$\frac{1}{2}$ of 8 is $\boxed{4}$.

Answer:

- $\frac{1}{2}$ of 8 is 4.

Ex 12:
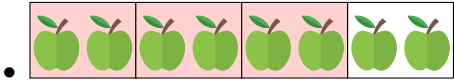

$\frac{3}{4}$ of 8 is $\boxed{6}$.

Answer:

- $\frac{3}{4}$ of 8 is 6.