



# Understanding fractions

There are 24 students in the class. There are 15 girls in the class. 14 of the students have backpacks.

$$\frac{1}{2}$$

Numerator

Denominator

- What fraction of the students have backpacks?
- What fraction of the students are boys?
- If  $\frac{1}{14}$  of the students with backpacks are boys and  $\frac{10}{14}$  of the students with backpacks are girls, are there more boys or more girls with backpacks?



# Understanding fractions

There are 30 toys in a toy box. 12 of the toys are cars, and the rest are dolls.

$$\frac{1}{2}$$

Numerator

Denominator

- What fraction of the toys are dolls?
- If  $\frac{25}{30}$  of the toys are action figures and the rest are stuffed animals, how many toys are stuffed animals?
- If  $\frac{10}{25}$  of the action figures are superheroes and  $\frac{8}{25}$  are robots, are there more superhero or robot toys?



# Understanding fractions

Liam is organizing his bookshelf. He has three categories of books: novels, comics, and magazines. He has 20 novels, 12 comics, and 8 magazines.

$$\frac{1}{2}$$

Numerator

Denominator

- What fraction of the books are novels?
- If  $\frac{4}{25}$  of the comics are superhero comics, how many superhero comics are there?
- If  $\frac{6}{25}$  of the novels are mystery and  $\frac{8}{25}$  are fantasy, are there more fantasy novels or mystery novels?



# Understanding fractions

Sophie and Max are exploring the zoo.

$$\frac{1}{2}$$

Numerator

Denominator

- They see 18 parrots in an aviary. 7 of the parrots are green and 11 of them are blue. What fraction of the parrots are blue?
- There are 8 turtles in a pond. 5 of the turtles are small and 3 of them are large. What fraction of the turtles are large?
- There are 9 lions in the enclosure. 6 of them are cubs. What fraction of the lions are cubs?