

UNIT 2 (RATIOS, RATES PROPORTIONS)



RATIO: A RATIO IS A COMPARISON OF 2 QUANTITIES BY DIVISION



WRITE THE RATIO OF RED CIRCLES TO BLUE SQUARES.

2:6 2 to 6

$$\frac{2}{6}$$

ORDER MATTERS

3 WAYS TO WRITE A RATIO

RATIOS CAN BE SIMPLIFIED JUST LIKE FRACTIONS.

$$\frac{2}{\cancel{2}} : \frac{6}{\cancel{2}}$$

$$1:3$$

$$\begin{array}{r} 2 \overline{) 2:6} \\ 1:3 \end{array}$$

RATIO LANGUAGE

$$2:6$$

THERE ARE 2 CIRCLES FOR EVERY 6 SQUARES.

8 TOTAL SHAPES

OUT OF EVERY 8 SHAPES THERE ARE 2 CIRCLES AND 6 SQUARES.

DIFFERENT TYPES OF RATIOS

(B) (B) (B)

3 BOYS

(G) (G) (G) (G) (G) (G)

6 GIRLS

9 KIDS

PART TO PART RATIOS RELATE A PART OF THE GROUP TO ANOTHER PART

3:6
3 to 6
 $\frac{3}{6}$

6:3
6 to 3
 $\frac{6}{3}$

PART TO WHOLE RATIOS RELATE A PART OF THE GROUP TO THE WHOLE GROUP.

3:9

6:9