Exploring Ratios

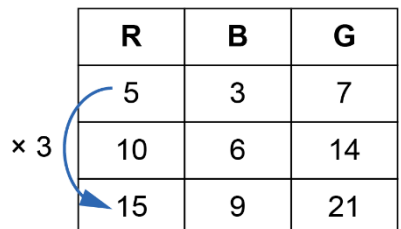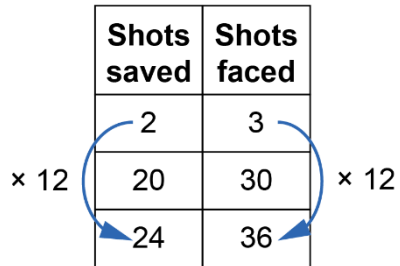| Identifies part-to-part and part-to-whole two-term ratios, and writes part-to-whole ratios as fractions	Identifies part-to-part and part-to-whole three-term ratios	Uses a ratio table to write equivalent ratios	Chooses a strategy to solve a ratio problem

Identifies part-to-part and part-to-whole two-term ratios, and writes part-to-whole ratios as fractions

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red stars to blue stars = 5:3
blue stars to red stars = 3:5
red stars to all stars = 5:8; as a fraction: $\frac{5}{8}$
blue stars to all stars = 3:8; as a fraction: $\frac{3}{8}$

Identifies part-to-part and part-to-whole three-term ratios

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red to blue to green = 5:3:7
blue stars to all stars = 3:15

Uses a ratio table to write equivalent ratios

Multiply each term in the ratio by the same number.

	R	B	G
×3	5	3	7
	10	6	14
	15	9	21
	20	12	28
	25	15	35

Chooses a strategy to solve a ratio problem

In one game, Macey saved 20 out of 30 shots on goal.
In another game, Macey faced 36 shots. They saved shots in the same ratio as the previous game.
How many shots did Macey save?

Write an equivalent ratio.
20:30 = 2:3
Use a ratio table:

	Shots saved	Shots faced	
	2	3	
×12	20	30	×12
	24	36	

Macey saved 24 shots.

Observations/Documentation