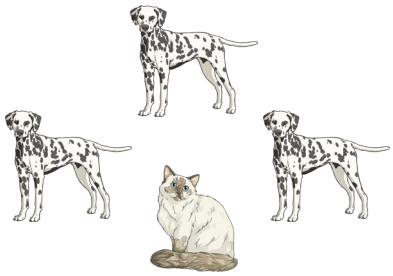
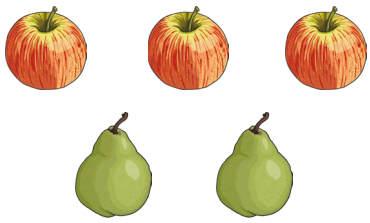
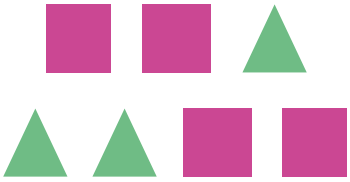
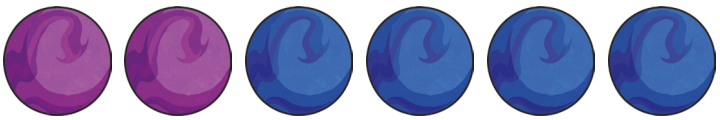
Ratio and Fractions

1. Complete this table comparing ratios and fractions.

Objects	Ratio	Fraction
	The ratio of cats to dogs: 1:3	cats = $\frac{1}{4}$ dogs = $\frac{\square}{\square}$
	The ratio of apples to pears: 3:2	apples = $\frac{\square}{\square}$ pears = $\frac{\square}{\square}$
	For every 4 squares, there are $\square$ triangles.	squares = $\frac{\square}{\square}$ triangles = $\frac{\square}{\square}$
	The ratio of cupcakes to biscuits: 2:4	cupcakes = $\frac{\square}{\square}$ biscuits = $\frac{\square}{\square}$
	For every 4 footballs, there are 5 rugby balls.	footballs = $\frac{\square}{\square}$ rugby balls = $\frac{\square}{\square}$

2. The statements below describe the marbles using ratio and fraction language. Decide if each statement is true or false and select the correct answer from the drop-down menu. If a statement is false, give the correct answer underneath.



a. $\frac{1}{4}$ of the marbles are purple. ☐

$\frac{\square}{\square}$ ☐

b. $\frac{4}{6}$ of the marbles are blue. ☐

$\frac{\square}{\square}$ ☐

c. For every 1 purple marble, there are 3 blue marbles. ☐

☐

3. 1 of the blue marbles is taken away from the collection of marbles.

a. $\frac{3}{4}$ of the marbles are now blue. ☐

$\frac{\square}{\square}$ ☐

b. For every 3 blue marbles, there are now 2 purple marbles. ☐

☐

c. The new ratio of purple marbles to blue marbles is 3:2. ☐

☐