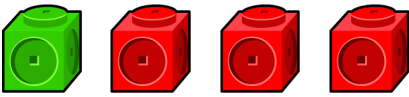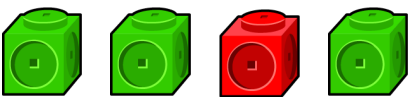# To understand the relationship between ratio and fractions - Questions

1. Describe the images using fractions and the sentence stem.

For every _____ cubes there are _____ cubes.

a.

b.

c.

d.

e.

- -

2. Describe the parts of the bar model using fractions.

a. Striped:

Solid:

Checked:

b. Striped:

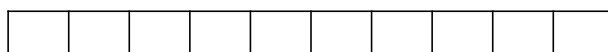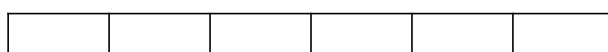Solid:

Checked:

c. Striped:

Solid:

Checked:

Use three colours to shade the bar models to show these ratios. Describe the parts using fractions.
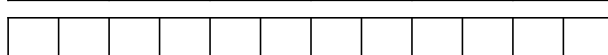
d. 3 to 4 to 3

e. 2 to 1 to 3

f. 7 to 3 to 2

To understand the relationship between ratio and fractions - Questions

3.   Write sentences to describe these bags. Use fractions and ratios.

a. A bag holds green and blue counters. $\frac{2}{5}$ of the counters are green.

b. A bag holds pink and yellow counters. $\frac{4}{12}$ of the counters are pink.

c. A bag holds blue and red counters. $\frac{5}{15}$ of the counters are blue.

d. A bag holds yellow and red counters. $\frac{6}{8}$ of the counters are red.

To understand the relationship between ratio and fractions - Answers

Question No.	Question	Answer
1	a. to e. Describe the images using fractions and the sentence stem. For every ? cubes there are ? cubes.	a. Green cubes: ⅖, red cubes: ⅗. For every 2 green cubes there are 3 red cubes. b. Green cubes: ¼, red cubes: ¾. For every 1 green cubes there are 3 red cubes. c. Green cubes: ⅗, red cubes: ⅖. For every 3 green cubes there are 2 red cubes. d. Green cubes: ¾, red cubes: ¼. For every 3 green cubes there is 1 red cube. e. Green cubes: ⁴⁄₆ or ⅔, red cubes: ²⁄₆ or ⅓. For every 4 green cubes there 2 red cubes. OR For every 2 green cubes there is 1 red cube.
2	a. to c. Describe the parts of the bar model using fractions. d. 3 to 4 to 3 e. 2 to 1 to 3 f. 7 to 3 to 2	a. Striped: ²⁄₇, solid ³⁄₇, checked ²⁄₇ b. Striped: ⁴⁄₉, solid ⁴⁄₉, checked ⅑ c. Striped: ⅕, solid ⅗, checked ⅕ d. 3 parts in one colour, 4 parts in another colour, 3 parts in a third colour. ³⁄₁₀, ⁴⁄₁₀ (⅖)ˏ ³⁄₁₀ e. 2 parts in one colour, 1 part in another colour, 3 parts in a third colour. ²⁄₆ (⅓), ⅙, ³⁄₆ (½) f. 7 parts in one colour, 3 parts in another colour, 2 parts in a third colour. ⁷⁄₁₂, ³⁄₁₂ (¼), ²⁄₁₂ (⅙)
3	Write sentences to describe these bags. Use fractions and ratios. a. A bag holds green and blue counters. ⅖ of the counters are green. b. A bag holds pink and yellow counters. ⁴⁄₁₂ of the counters are pink. c. A bag holds blue and red counters. ⁵⁄₁₅ of the counters are blue. d. A bag holds yellow and red counters. ⁶⁄₈ of the counters are red.	Answers will vary. Example answers: a. ⅗ of the counters are blue. For every 2 green counters there are 3 blue counters. b. ⅓ of the counters are pink. ⁸⁄₁₂ of the counters are yellow. For every 8 yellow counters there are 4 pink counters. c. ⅓ of the counters are blue. For every 5 blue counters there are 10 red counters. d. For every 6 red counters there are 2 yellow counters. ⅖ of the counters are yellow.