



1) a) Show the fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, and $\frac{1}{5}$ on bar models.

Four empty rectangular boxes for drawing bar models.

b) Which fraction is the largest? _____

c) Which fraction is the smallest? _____

Explain your thinking.

Two horizontal lines for writing an explanation.

2) Which of these fractions is represented by the bar model? Explain your answer.



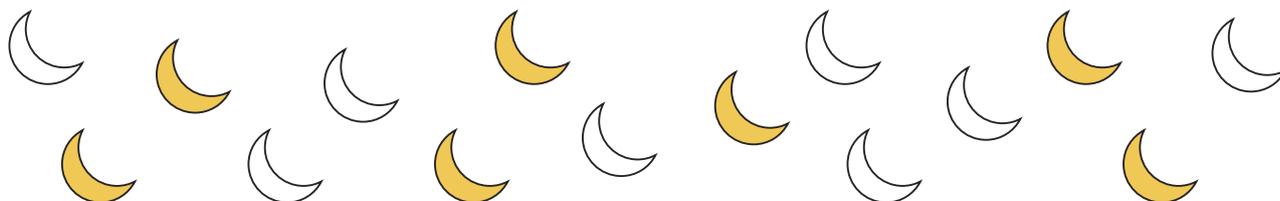
$$\frac{4}{6}$$

$$\frac{2}{7}$$

$$\frac{4}{2}$$

Horizontal line for writing an explanation.

3) True or false? $\frac{7}{13}$ of the moons are shaded. Explain your answer using reasoning.



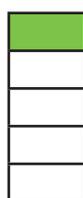
Horizontal line for writing an explanation.

4) Sort the fractions into the correct circle.

Unit Fractions

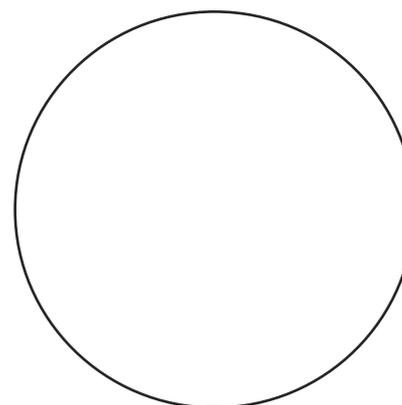
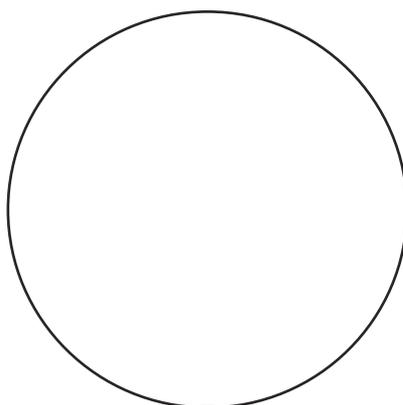
Non-Unit Fractions

four fifths



$$\frac{1}{10}$$

$$\frac{6}{7}$$



1) True or false?

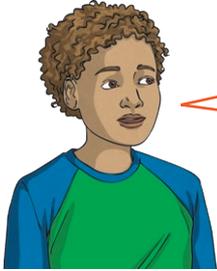
$\frac{1}{3}$ of the shape is shaded.



Explain your answer using reasoning.



2) Look at this set of shapes.



None of the shapes in my set can be represented by a unit fraction.

Do you agree with Joel?
Use reasoning to explain.



3) Ken and Rita are discussing these fractions.

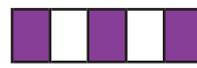
Both fractions are the same because three parts are shaded in each shape.

Ken



Rita

The circle has $\frac{3}{4}$ shaded and the rectangle has $\frac{3}{5}$ shaded. If I represent both fractions as bar models, it helps me to see that they are not the same.



Who is correct?

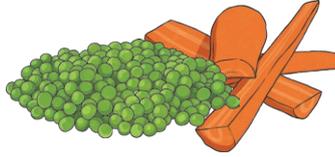
Use a bar model to help justify your reasoning.

4) Adding 2 unit fractions never makes a whole.

Is this always, sometimes or never correct?

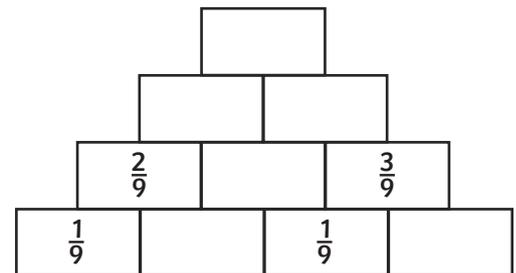
1) Justin's dinner plate has 5 equal parts.

- One unit fraction of the plate contains peas.
- One unit fraction of the plate contains broccoli.
- The rest of the plate has carrots or sprouts on it.



- a) What fraction of the plate has carrots and sprouts on it? _____
- b) Can the plate have $\frac{1}{5}$ carrots on it? _____
- c) Can you fill the plate with $\frac{1}{5}$ of each vegetable? _____
- _____
- _____

2) Each fraction in the pyramid is added to the fraction next to it. The fraction above is the sum of the added fractions. First, estimate how many unit fractions there will be, then complete the pyramid.



3) Jonathan and Davina share a pizza that has been cut into 6 slices.

Jonathan eats $\frac{2}{6}$ of the pizza.

Davina eats $\frac{1}{2}$ of the pizza.



- a) What fraction of pizza is left? _____
- b) Who ate the most pizza? _____
- 4) Show $\frac{1}{4}$ in as many ways as you can.