

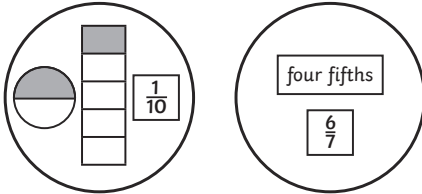


- 1) a) Four bar models used to represent unit fractions.



- b) $\frac{1}{2}$ is the largest.
c) $\frac{1}{5}$ is the smallest.
- 2) The bar model represents $\frac{4}{6}$ because four rectangles out of the six are coloured in.
- 3) False. $\frac{7}{14}$ of the moons are shaded.

- 4) Unit Fractions Non-unit Fractions



$\frac{1}{5}$, $\frac{1}{10}$ and $\frac{1}{2}$ are all unit fractions.
 $\frac{4}{5}$ and $\frac{6}{7}$ are non-unit fractions.



- 1) False. $\frac{1}{4}$ of the shape is shaded. The numerator represents how many parts there are in total, which is four not three.
- 2) Joel is incorrect. The pentagon and circle can be represented as the unit fraction $\frac{1}{7}$.
- 3) Rita is correct. Rita's bar models would look like this:



$\frac{3}{4}$ is therefore larger than $\frac{3}{5}$.

- 4) Sometimes two unit fractions can be added to make a whole.



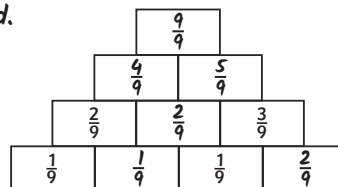
$$\frac{1}{2} + \frac{1}{2} = 1$$

This shows that two unit fractions can be added together to make a whole.



- 1) a) $\frac{3}{5}$
b) Yes. The plate could have $\frac{1}{5}$ carrots and $\frac{2}{5}$ sprouts.
c) No. It is possible to fill $\frac{4}{5}$ of the plate with unit fractions, leaving $\frac{1}{5}$ empty. To fill the plate, you would need to represent one vegetable as $\frac{2}{5}$.

- 2) There are three unit fractions in the pyramid.



- 3) a) $\frac{1}{6}$ of the pizza is left over.
b) Davina ate the most pizza. She ate $\frac{3}{6}$.
- 4) Possible representations of $\frac{1}{4}$ include different variations of bar models with $\frac{1}{4}$ shaded. Circles, squares and other quadrilaterals with $\frac{1}{4}$ or $\frac{2}{8}$ shaded.