**1** Shade the bar models to represent the fractions.

a) Shade $\frac{1}{2}$ of the bar model.
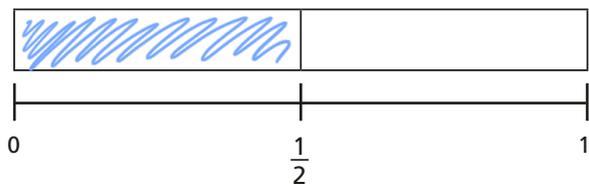
b) Shade $\frac{2}{4}$ of the bar model.
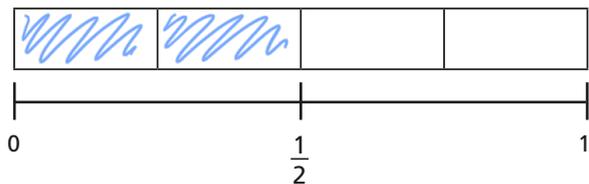
c) Shade $\frac{3}{6}$ of the bar model.
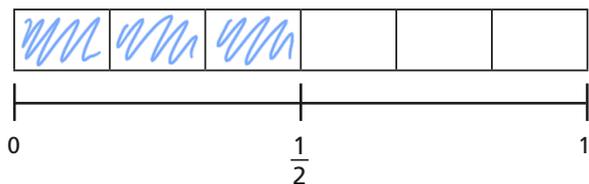
d) What do you notice?

e) Write another fraction that is equivalent to $\frac{1}{2}$

e.g. $\frac{4}{8}$

**2** Shade $\frac{2}{3}$ of each bar model.

a)
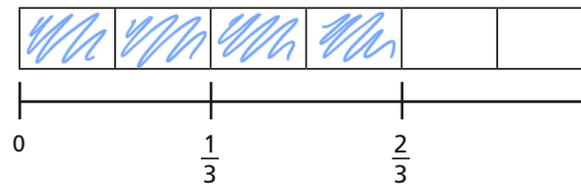
b)
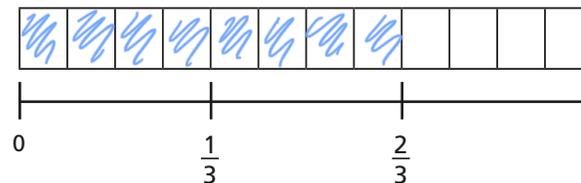
c)
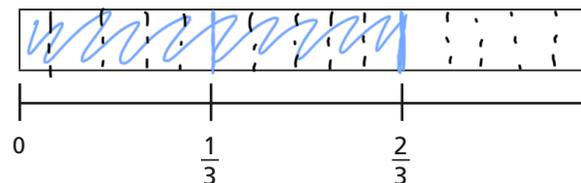
**d)** Use your answers to parts a), b) and c) to complete the equivalent fractions.

$$\frac{2}{3} = \frac{4}{6} = \frac{8}{12} = \frac{10}{15}$$

3 Mo is finding equivalent fractions.

Number line from 0 to 1 divided into fifths: 0, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$, $\frac{4}{5}$, 1

Number line from 0 to 1 divided into eighths: 0, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$, $\frac{4}{5}$, 1
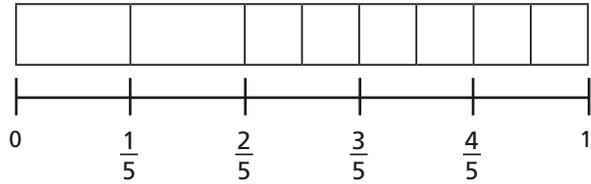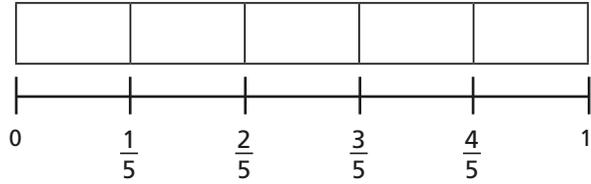
Mo: $\frac{6}{8}$ is equivalent to $\frac{4}{5}$

Do you agree with Mo? __No__

Explain your answer.

4 Find the missing numbers.

a)

Top line (fourteenths): $\frac{2}{14}$, $\frac{4}{14}$, $\boxed{\frac{6}{14}}$, $\frac{8}{14}$, $\boxed{\frac{10}{14}}$, $\boxed{\frac{12}{14}}$, $\frac{14}{14}$

Bottom line (sevenths): 0, $\frac{1}{7}$, $\boxed{\frac{2}{7}}$, $\frac{3}{7}$, $\frac{4}{7}$, $\boxed{\frac{5}{7}}$, $\boxed{\frac{6}{7}}$, $\boxed{\frac{7}{7}}$

b)

Top line (fifteenths): $\boxed{\frac{6}{15}}$, $\frac{9}{\boxed{15}}$, $\boxed{\frac{12}{15}}$, $\boxed{\frac{18}{15}}$

Bottom line (fifths): 0, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$, $\frac{4}{5}$, $\frac{5}{5}$, $\frac{6}{5}$

5 Here is a number line.

Number line from 0 to 1 with triangle, circle, and red square markers.
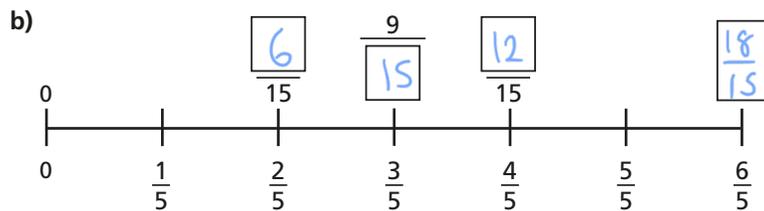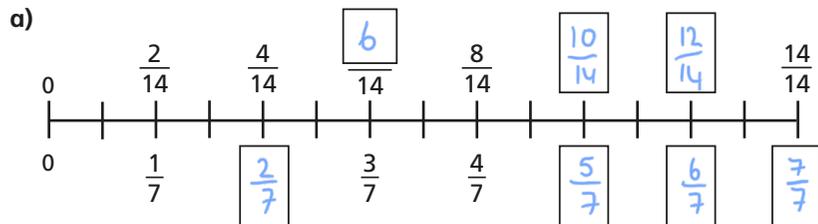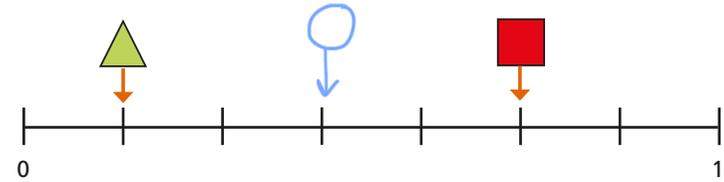
a) What fraction is each shape pointing to?

△ = $\boxed{\frac{1}{7}}$ ■ = $\boxed{\frac{5}{7}}$

b) A circle is halfway between the triangle and the square.

Draw the circle on the number line.

c)

Eva: The circle is pointing to $\frac{9}{21}$
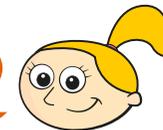
Do you agree with Eva? __Yes__

Show how you worked this out.

d) Write three equivalent fractions for each shape.

e.g.

△ $\boxed{\frac{10}{70}}$ $\boxed{\frac{8}{56}}$ $\boxed{\frac{3}{21}}$ ⬤ $\boxed{\frac{3}{7}}$ $\boxed{\frac{30}{70}}$ $\boxed{\frac{15}{35}}$

■ $\boxed{\frac{50}{70}}$ $\boxed{\frac{40}{56}}$ $\boxed{\frac{15}{21}}$
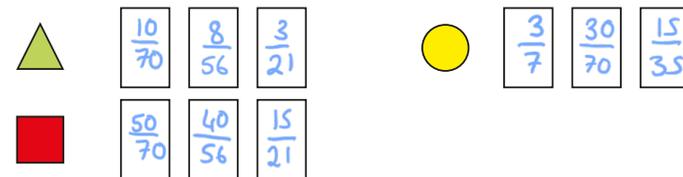
Compare answers with a partner.

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