

- 1) Can you represent  $\frac{6}{8}$  as a fraction in a variety of ways? Use equivalences on number lines, bar models and number shapes as part of your answer.



2)  $\frac{7}{12}$

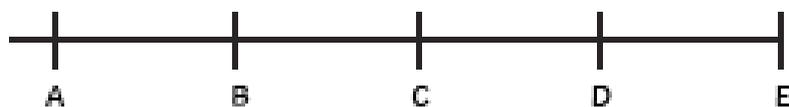


There is no way of creating an equivalent fraction with an odd denominator for  $\frac{7}{12}$ .

Is Jacob correct? Prove your answer with reasoning.

- 3) A blank number line is shown.

- a) Use the clues to work out where each shape should go on the number line.



- b) This shape doesn't have a clue.



Write a clue for it so that it'll go in the empty space on the number line.

# Answers:

1) There are many possible answers. Answers may include:

2) Jacob is correct. The only equivalent fractions to  $\frac{7}{12}$  have even denominators.

3) a)

	I am equivalent to $\frac{2}{5}$ .	$\frac{4}{10}$ (equivalent to $\frac{2}{5}$ )
	My numerator is 6.	$\frac{6}{10}$ (equivalent to $\frac{3}{5}$ )
	My numerator is 8.	$\frac{8}{10}$ (equivalent to $\frac{4}{5}$ )
	I am equivalent to $\frac{5}{5}$ .	$\frac{10}{10}$ (equivalent to $\frac{5}{5}$ or one whole)

b) Answers will vary.  
Example: I am equivalent to  $\frac{1}{5}$ .