Equivalent fractions on a number line

White Rose MATHS

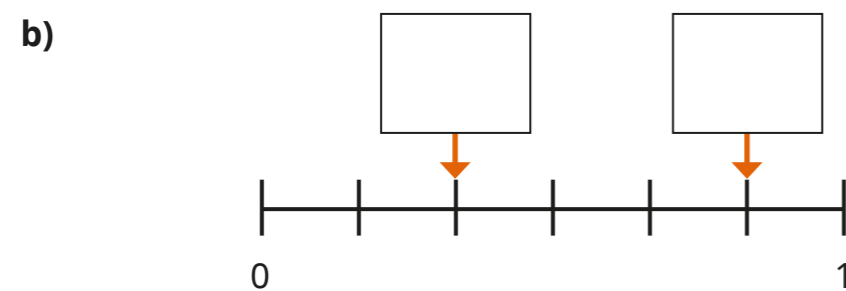**1** Fill in the boxes to label the fractions on each number line.

a)

0   1

b)

0   1

c)

0   1

d)

0   1
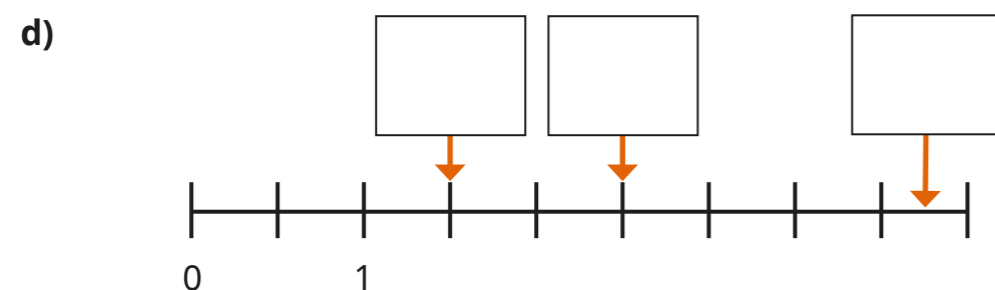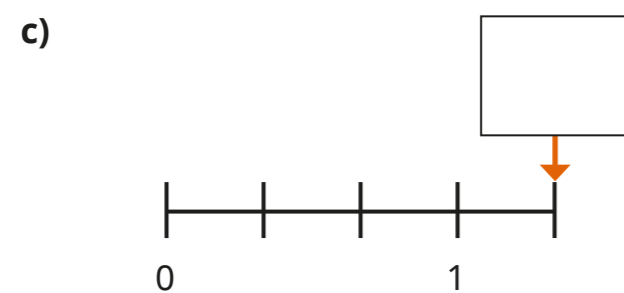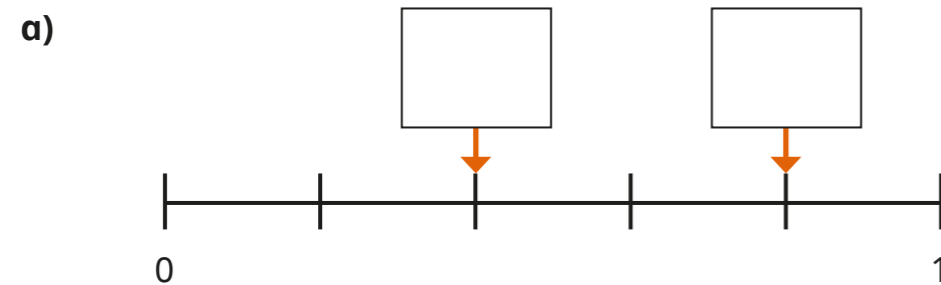
2 Label the number line with the representations.

The first one has been done for you.

A

0   1
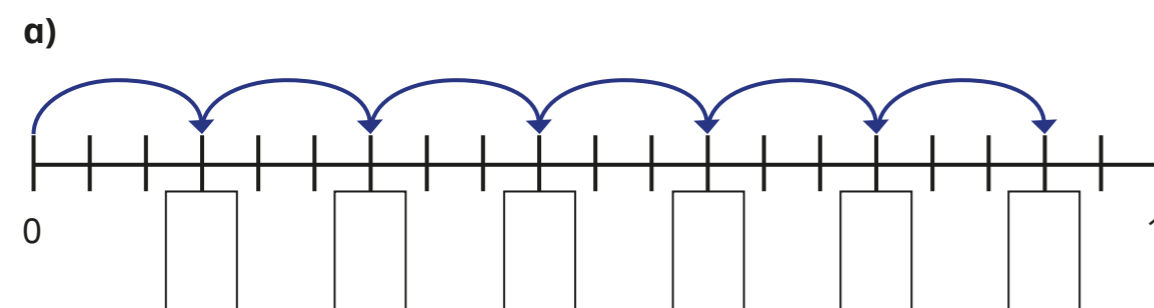
A   **B**   **C**   **D**

$\dfrac{11}{12}$
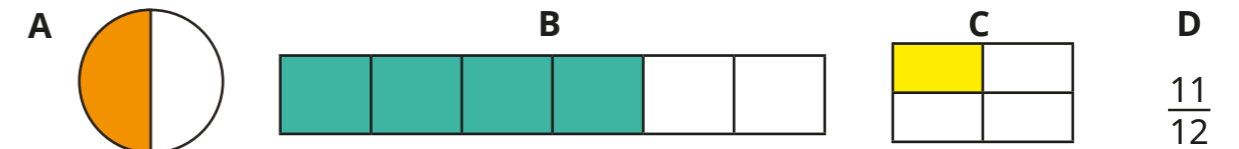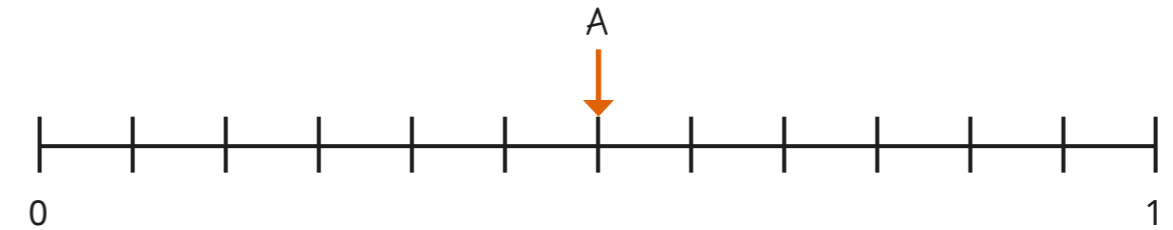
3 Label the number line with the fractions.

0   1

$\dfrac{3}{4}$ $\dfrac{1}{2}$ $\dfrac{3}{8}$
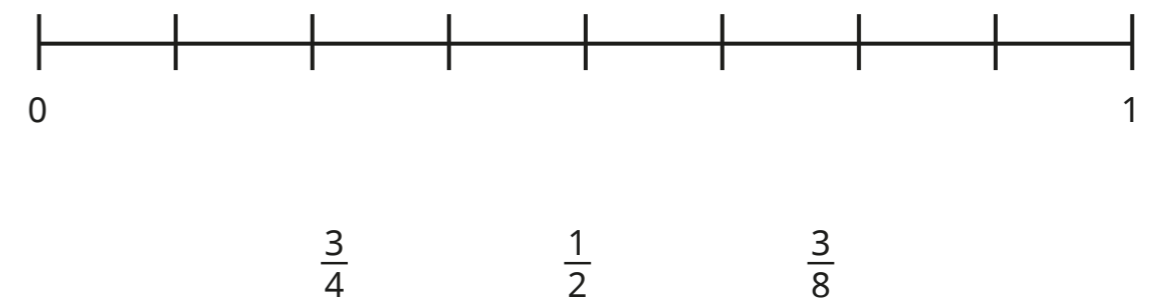
Explain your method.

4 Fill in the boxes to label the fractions on each number line.

a)

0   □   □   □   □   □   □   1

b)

0   □   1   □   □   □   □   □

c)

$+\frac{3}{5}$ $+\frac{3}{5}$ $+\frac{3}{5}$ $+\frac{3}{5}$ $+\frac{3}{5}$ $+\frac{3}{5}$

0   □   □   □   □   □   □

d)

$-\frac{2}{5}$ $-\frac{2}{5}$ $-\frac{2}{5}$ $-\frac{2}{5}$ $-\frac{2}{5}$

□   □   □   □   □   3
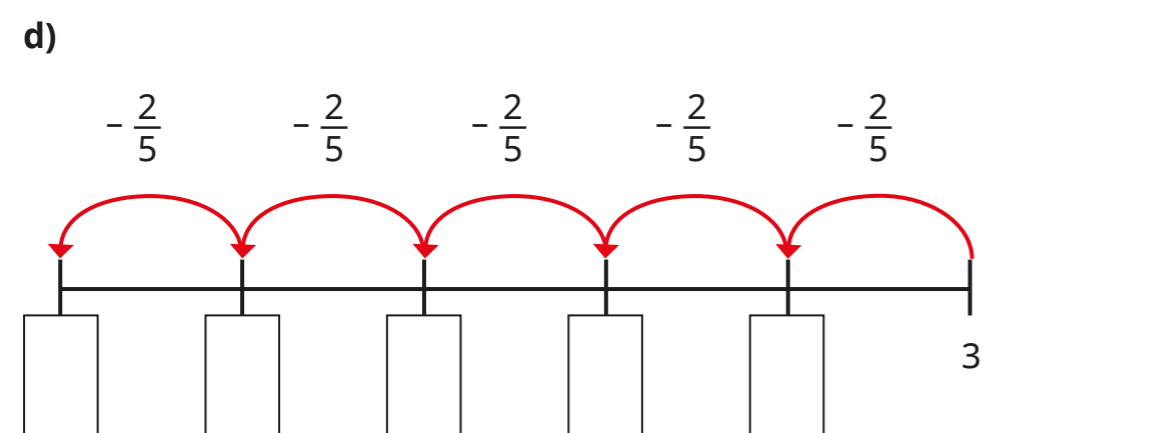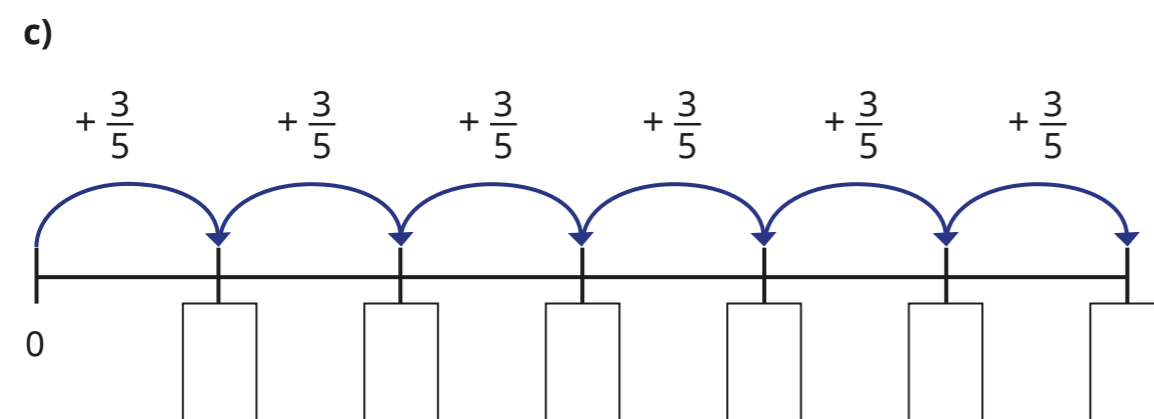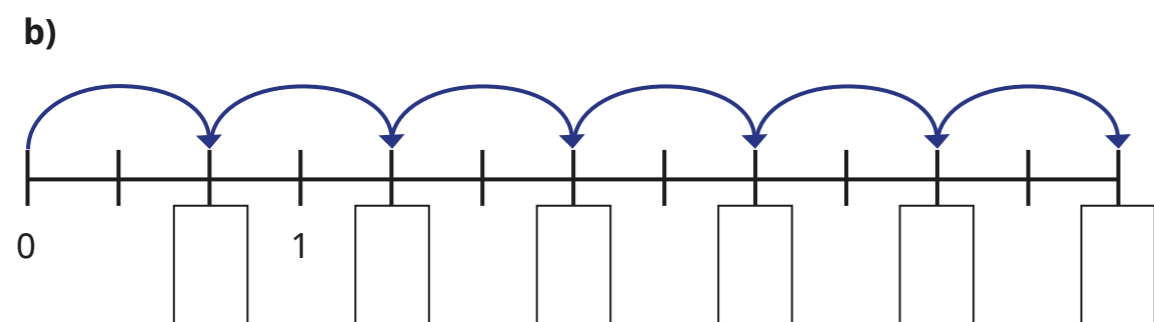
What equivalent fractions can you find from the number lines?

5 A bar model has been drawn above the number line.

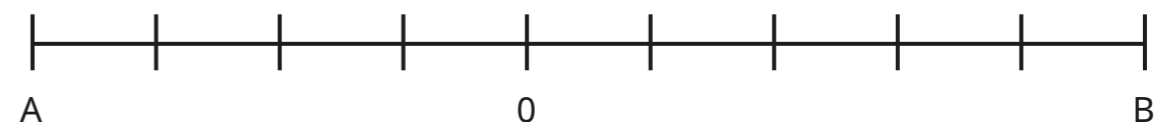| A	B	C	D	E

0   1   2
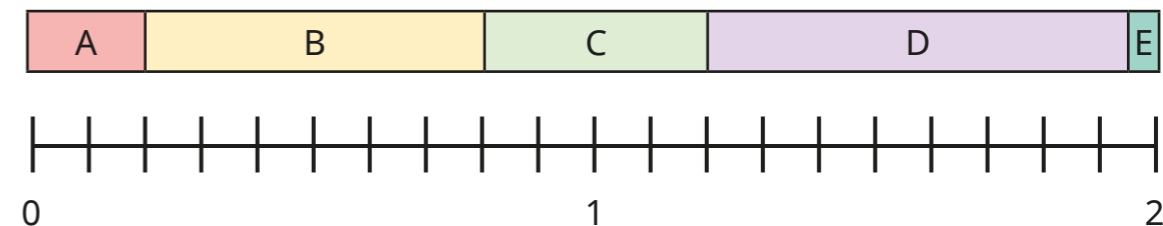
What is the value of each section of the bar model?

Write each answer in its simplest form.

A = □   B = □   C = □   D = □   E = □

6 The difference between A and B is 3

What are the values of A and B?

A   0   B

A = □   B = □

White Rose MATHS