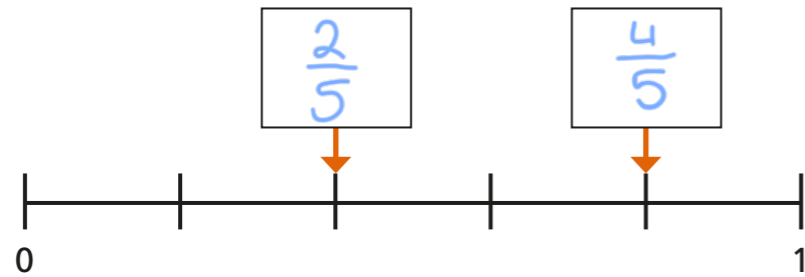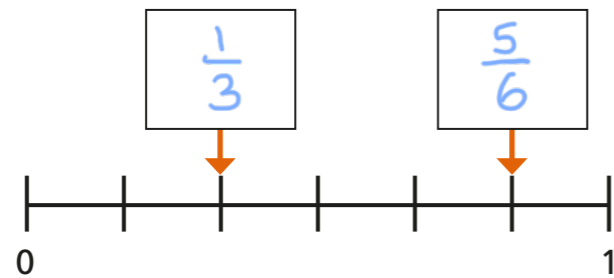# Fractions on a number line

1 Fill in the boxes to label the fractions on the number line.
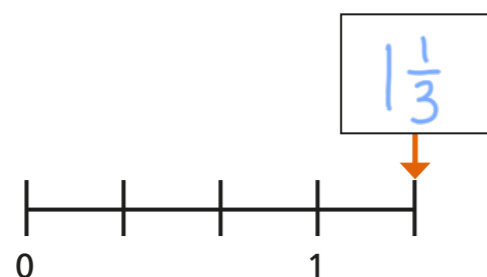
a)

$\frac{2}{5}$ $\frac{4}{5}$

0 ———————————————— 1
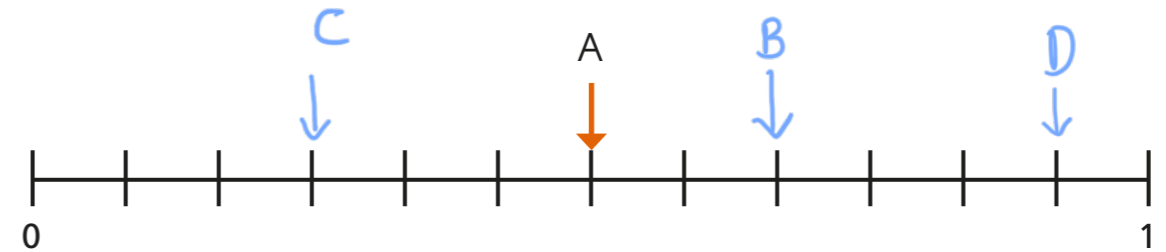
b)

$\frac{1}{3}$ $\frac{5}{6}$

0 ———————————————— 1

c)

$1\frac{1}{3}$

0 ——— 1

d)

$1\frac{1}{2}$ $2\frac{1}{2}$ $4\frac{1}{4}$

0 — 1
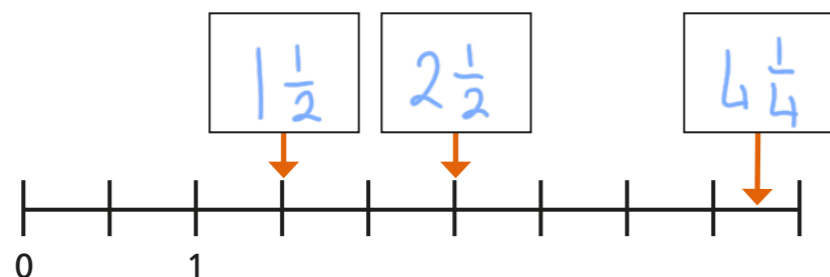
2 Label the number line with the representations.

The first one has been done for you.

C   A   B   D

0 ———————————————————— 1

A   B   C   D

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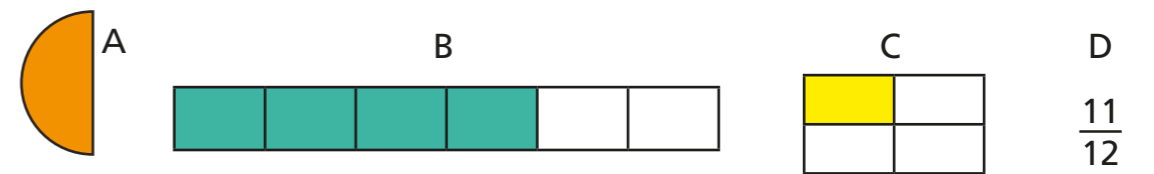
3 Label the number line with the fractions.

Explain your method.

0 ———————————————————— 1

$\frac{3}{8}$ $\frac{1}{2}$ $\frac{3}{4}$

$\frac{3}{4}$ $\frac{1}{2}$ $\frac{3}{8}$
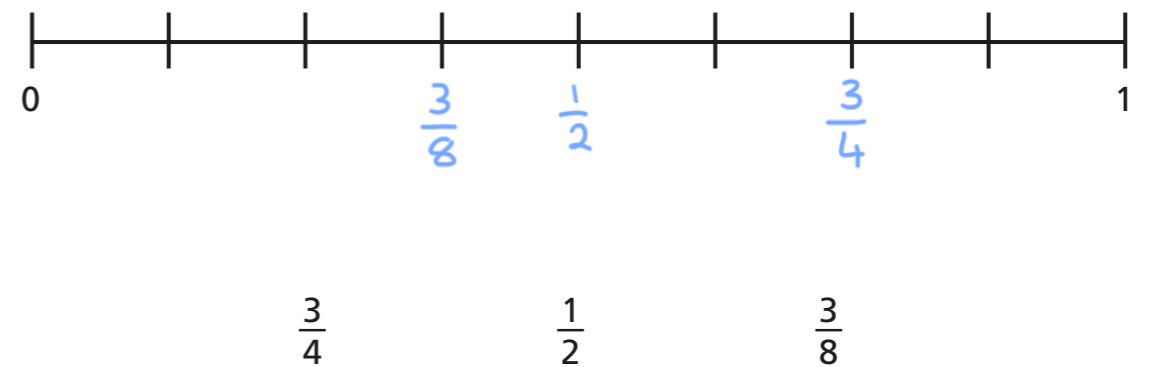
4 Write a fraction in each box on the number lines.

a)

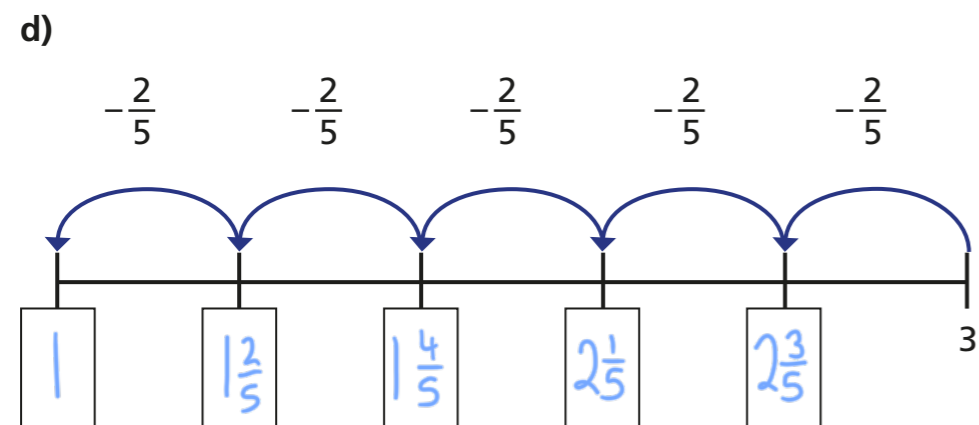0 $\frac{3}{20}$ $\frac{3}{10}$ $\frac{9}{20}$ $\frac{6}{10}$ $\frac{3}{4}$ $\frac{9}{10}$ 1

b)

0 $\frac{2}{3}$ 1 $1\frac{1}{3}$ 2 $2\frac{2}{3}$ $3\frac{1}{3}$ 4

c)

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

0 $\frac{3}{5}$ $1\frac{1}{5}$ $1\frac{4}{5}$ $2\frac{2}{5}$ 3 $3\frac{3}{5}$

d)

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

1 $1\frac{2}{5}$ $1\frac{4}{5}$ $2\frac{1}{5}$ $2\frac{3}{5}$ 3

5

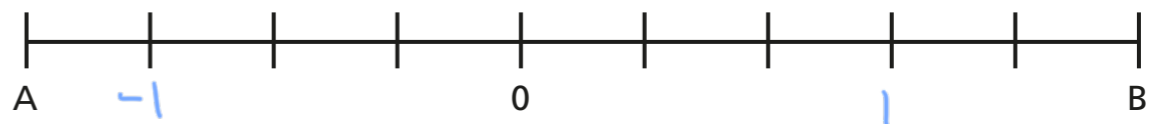| A	B	C	D	E

0　　　　　　　　　1　　　　　　　　　2
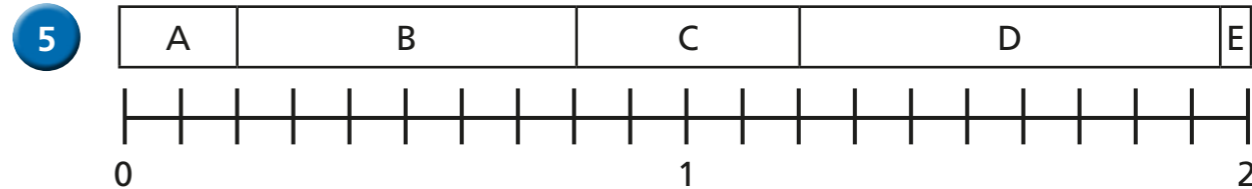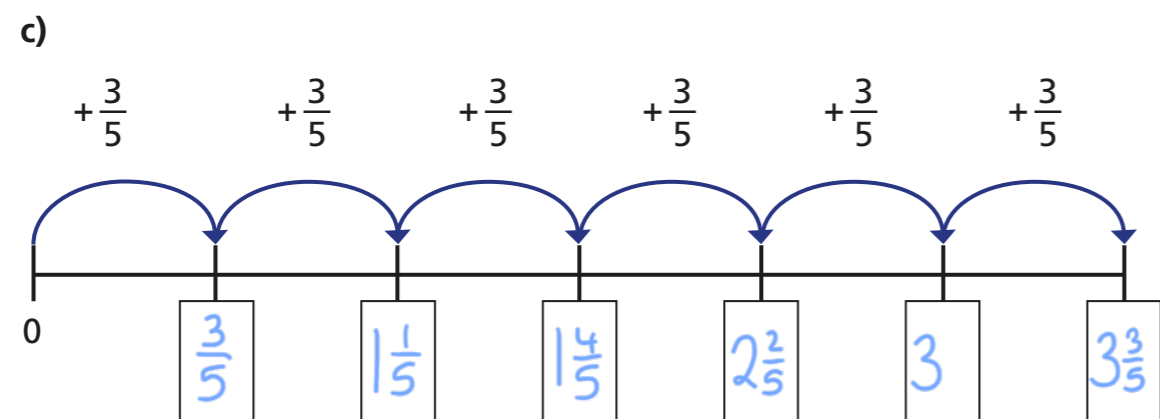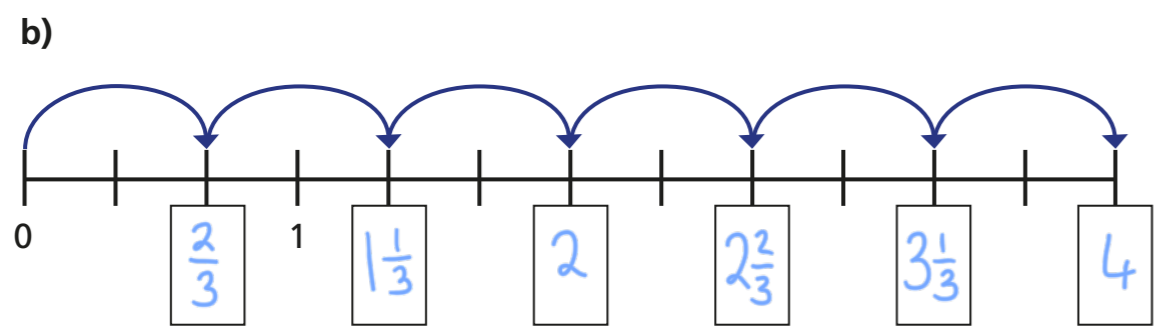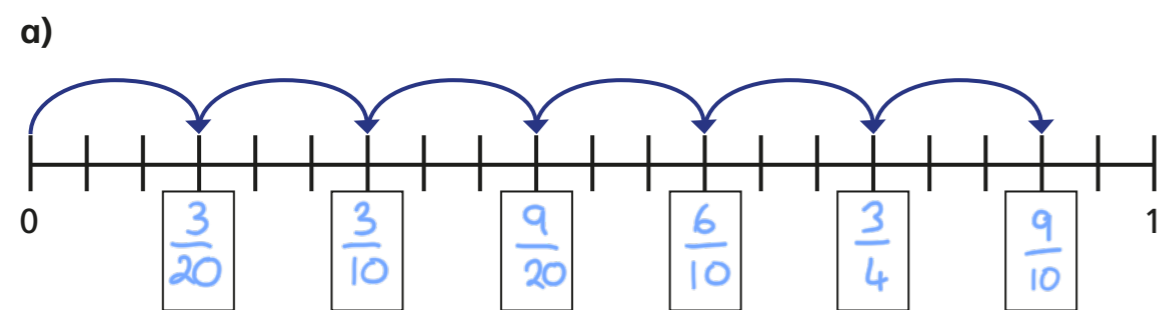
How wide is each section of the bar model?

Write each answer in its simplest form.

A = $\frac{1}{5}$　　　C = $\frac{2}{5}$　　　E = $\frac{1}{20}$

B = $\frac{3}{5}$　　　D = $\frac{3}{4}$

6 The difference between A and B is 3

What are the values of A and B?

A　-1　　　　0　　　　1　　　B

A = $-1\frac{1}{3}$　　　B = $1\frac{2}{3}$