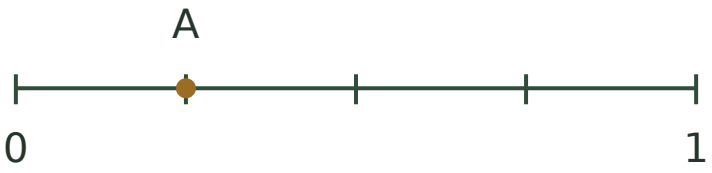
Fractions on number lines

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

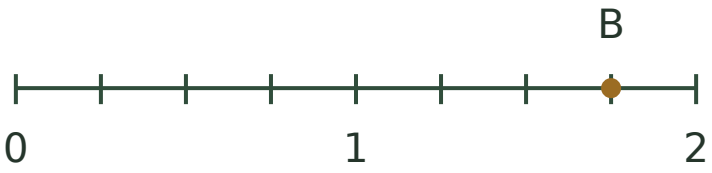
1. Read point A. [1 mark]



Four equal spaces fill one whole; A is one space from zero.

Answer: $\frac{1}{4}$

2. Read B as a fraction and a mixed number. [2 marks]



B is seven quarter-sized jumps from zero. Four quarters make one whole, leaving three quarters.

Answer: $\frac{7}{4} = 1\frac{3}{4}$

3. Mark $\frac{2}{3}$ on the supplied line. [1 mark]



Each space is one third, so count two spaces from zero.

Answer: The second tick after 0.

4. Order $\frac{1}{2}, \frac{3}{2}, \frac{5}{4}$ from smallest to largest. [2 marks]

They equal two, five and six quarters.

Answer: $\frac{1}{2}, \frac{5}{4}, \frac{3}{2}$

5. The line is labelled $0, \frac{1}{2}, 1, 1\frac{1}{2}, 2$. Between which two neighbouring marks does $\frac{7}{4}$ lie? [1 mark]



The landmarks are six quarters and eight quarters.

Answer: $1\frac{1}{2}$ and 2

6. Mark $\frac{3}{5}$ and explain how you chose its position. [2 marks]



Divide the zero-to-one interval into five equal spaces and count three spaces.

Answer: The third tick after 0.