Question

Find the number that is 3/4 of the way from 2/5 to 4 2/3.

Solution

Firstly, we find the way from 2/5 to 4 2/3:

$$4\frac{2}{3} - \frac{2}{5} = \frac{14}{3} - \frac{2}{5} = \frac{70}{15} - \frac{6}{15} = \frac{64}{15}$$

The ¾ of this way is

$$\frac{3}{4} \cdot \frac{64}{15} = \frac{16}{5} = 3\frac{1}{5}$$

Answer: $3\frac{1}{5}$.