7th January

Corbettmaths

What is the reciprocal of 4?

$\frac{1}{4}$

What is the reciprocal of 0.5?

2

$1\frac{1}{2}$ × $3\frac{1}{3}$

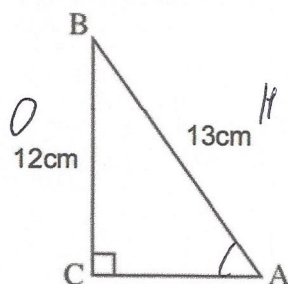$\frac{3}{2} \times \frac{10}{3} = \frac{30}{6} = 5$

5

Martin runs 2 kilometres in 2 minutes.

Calculate his average speed.
Give your answer in m/s

2 km in 2 mins
1 km / min
1000 m /min

$16.\overset{\cdot}{6}$ m/s

B

O
12cm   13cm H

C   A

Calculate the size of angle BAC.

Sin BAC = $\frac{12}{13}$

BAC = Sin⁻¹ $\frac{12}{13}$

= $67.38°$

L   9.9

A   M

15.5cm   15.5cm   9.1

C   B

9.9cm   9.1cm

N
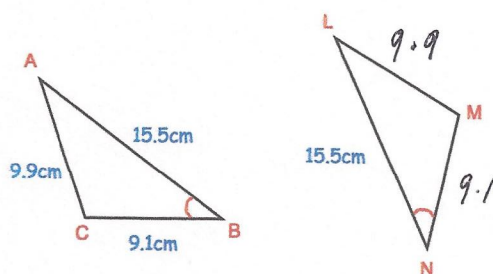
ABC and LMN are congruent triangles.
Angle B = Angle N

Write down the length of LM.

9.9cm