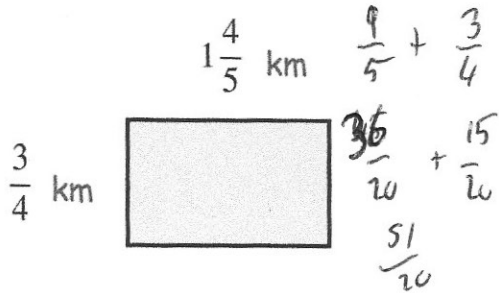




Neela wants to fence her field.



She has 3km of fencing.

How much more does she need?

$$\frac{51}{20} \times 2 = \frac{102}{20}$$

$$5\frac{1}{10} - 3 = 2\frac{1}{10} \text{ km}$$

A newspaper says the number of people at a football match is 40,000.

This is correct to the nearest 1000.

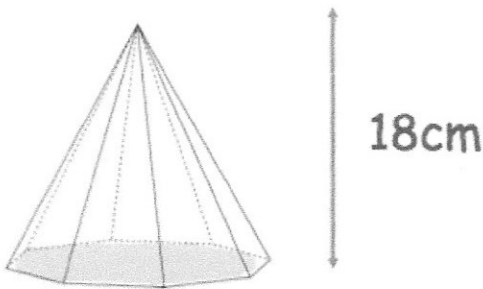
What is the lowest possible number of people at the match?

39500

Factorise

$$y^2 + 8y + x^2y$$

$$y(y + 8 + x^2)$$



An octagon-based pyramid has a height of 18cm.

The area of the octagon base is 20cm^2
Calculate the volume of the pyramid.

$$\frac{1}{3} \times 20 \times 18 = 120 \text{ cm}^3$$

The population of a town in 1930 was 400.

Every 10 years the population of the town increases by 10%.

Work out the population in 2020.

$$400 \times 1.1^9 = 943.179$$

943 (or 944)