



Simplify

$$\frac{4\pi}{5} + \frac{\pi}{9} \quad \frac{36\pi}{45} + \frac{5\pi}{45}$$

Give your answer in terms of π

$$\frac{41\pi}{45}$$

Fiona leaves £20000 in the bank for three years.

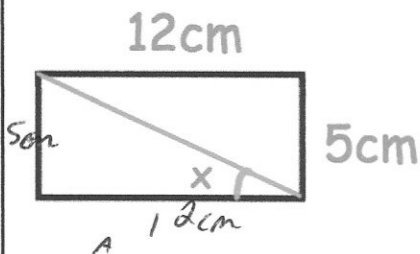
It earns compound interest of 0.5% each year.

$$20000 \times 1.005^3$$

$$£ 20301.50$$

Calculate the total amount Fiona has in the bank at the end of the three years.

Shown below is a rectangle

Find x

$$\tan x = \frac{5}{12}$$

$$x = \tan^{-1} \frac{5}{12}$$

$$= 22.62^\circ$$

Solve the simultaneous equations

$$4x + 2y = 34$$

$$3x + y = 21 \quad \times 2 \quad \begin{array}{r} 6x + 2y = 42 \\ 4x + 2y = 34 \\ \hline 2x = 8 \end{array}$$

$$x = 4$$

$$12 + y = 21$$

$$y = 9$$

A millisecond is 1×10^{-3} seconds.

A device does a calculation in 1 millisecond.

How many similar calculations can the device calculate in 2 seconds?

$$0.001$$

$$2 \div 0.001 = 2000$$