

28th January



Corbettmaths

Expand and simplify

$$(x + 5)(x + 3)$$

$$x^2 + 3x + 5x + 15$$

$$x^2 + 8x + 15$$

$$R = 8 - \sqrt{S}$$

Calculate S if R = 3

$$3 = 8 - \sqrt{S}$$

$$S = 25$$

Calculate the gradient of the straight line passing through (0, 5) and (3, 11).

$$\frac{\text{rise}}{\text{run}} = \frac{6}{3} = 2$$

Write down the equation of the line.

$$y = 2x + 5$$

The King's Palace	5.4 million
Castle	923,840
Theme Park	$1.43 \times 10^7$
Science Museum	4,192,900

5400000  
923840

14300000  
4192900

Which attraction had the most visitors?

Theme Park

Write as a fraction.

$$5^{-3}$$

$$\frac{1}{5^3} = \frac{1}{125}$$