

9th August

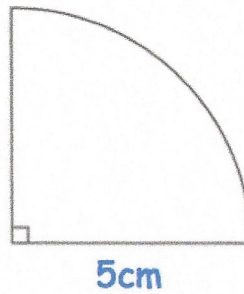


Corbettmaths

Calculate the perimeter of this quarter circle

$$(\pi \times 10) \div 4 = 7.8539\dots$$

$$7.8539\dots + 5 + 5 = 17.85\text{cm}$$



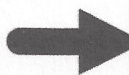
The mean of four numbers is 10.
Three of the numbers are 9, 11 and 7.
Work out the fourth number.

$$10 \times 4 = 40$$

$$9 + 11 + 7 = 27$$

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Input



$$\times \frac{3}{4}$$



$$\div \frac{2}{3}$$



Output

Find the output if the input is 5

$$\frac{5}{1} \times \frac{3}{4} = \frac{15}{4}$$

$$\frac{15}{4} \div \frac{2}{3}$$

$$\frac{15}{4} \times \frac{3}{2} = \frac{45}{8}$$

$$5\frac{5}{8}$$

Factorise $x^2 + 10x + 9$

$$(x+1)(x+9)$$

Match each of the following

$4x + y$ ————— Expression

$x + x + x = 3x$ ————— Equation

$5x - 2 = 28$ ————— Formula

$V = lwh$ ————— Identity