

19th July

Foundation Plus 5-a-day



Corbettmaths

Work out

$$\sqrt[4]{16} = 2$$

$$2 \times 2 \times 2 \times 2 = 16$$

Work out

$$9^{-2} = \frac{1}{9^2} = \frac{1}{81}$$

Isaac and Henry share money in the ratio 4 : 7
Henry receives £8.40 more than Isaac.
Isaac gives 40% of his money to charity.

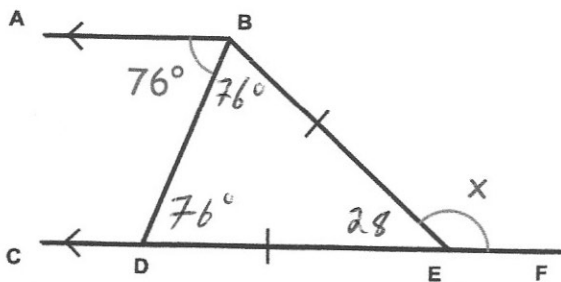
How much does Isaac give to charity?

$$7 - 4 = 3$$

$$8.40 \div 3 = 2.80$$

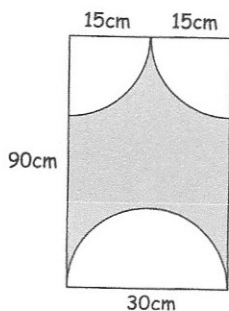
$$2.80 \times 4 = £11.20$$

$$40\% \text{ of } £11.20 = £4.48$$



Find x

$$180 - 28 = 152^\circ$$



$$90 \times 30 = 2700$$

$$\frac{1}{2} (\pi \times 15^2) = 353.429\dots$$

A logo is made by cutting two quarter circles and a semi-circle out of a rectangular sheet of metal.
Find the shaded area.

$$\frac{1}{4} (\pi \times 15^2) = 176.714\dots$$

$$2700 - 353.429\dots - 176.714\dots = 176.714\dots$$

$$1993.14 \text{ cm}^2$$