

19th October



Corbettmaths

w	w	w	w	28
w ⁷	w ⁷	x	x	34
w ⁷	w ⁷	x ¹⁰	y	26
w ⁷	x ¹⁰	y ²	z	40

$$y + 24 = 26$$

$$y = 2$$

$$z + 19 = 40$$

$$z = 21$$

Find w, x, y and z

$$4w = 28$$

$$w = 7$$

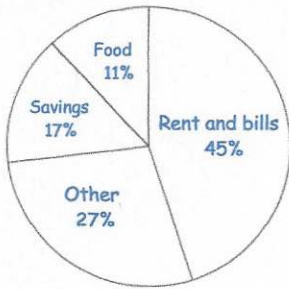
$$2x + 14 = 34$$

$$\begin{array}{r} -14 \\ -14 \end{array}$$

$$2x = 20$$

$$\div 2 \quad \div 2$$

$$x = 10$$



The pie chart shows information about how Mr. Jenkins spent his salary for July. He was paid £2000 in July. Work out how much Mr. Jenkins spent on rent and bills.

$$45\% \text{ of } 2000 = \underline{\underline{£900}}$$

James is buying a table. He finds the same table for sale in two different shops.

Table World	Tables'R'us
£140	£120 £141
Prices include VAT	Prices do not include VAT

When buying the table, the rate of VAT was 17.5%

Table world is better value

Which shop is better value?

$$\left. \begin{array}{l} 10\% \text{ of } 120 = 12 \\ 5\% \text{ of } 120 = 6 \\ 2.5\% \text{ of } 120 = 3 \end{array} \right\} \Rightarrow 17.5\% = 21$$

The angles in a triangle are in the ratio 1 : 2 : 9

What is the size of the largest angle?

$$1 + 2 + 9 = 12$$

$$180 \div 12 = 15$$

$$9 \times 15 = 135^\circ$$