



Solve the inequality  $3x + 4 \leq 22$

$$3x \leq 18$$

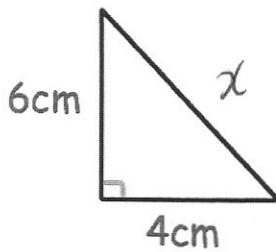
$$x \leq 6$$

A car decreases in value 10% each year.

If it was bought for £5000, how much will it be worth after 2 years?

$$5000 \times 0.9^2$$

£4050



$$4^2 + 6^2 = x^2$$

$$16 + 36 = x^2$$

$$52 = x^2$$

$$\sqrt{52}$$

Calculate the length of the missing side

7.211 cm

to 3 dp

The table shows information about how long it takes students to get to school.

Work out an estimate for the mean

$$720 \div 30 = \underline{24 \text{ mins}}$$

Time (t minutes)	Frequency	$fx$	
$0 < t \leq 10$	5	2	10
$10 < t \leq 20$	15	8	120
$20 < t \leq 30$	25	12	300
$30 < t \leq 40$	35	7	245
$40 < t \leq 50$	45	1	45
			<u>720</u>

David buys 2 DVDs and 2 CDs in a shop and in total they cost £18.

Ellie buys 3 DVDs and 2 CDs in the same shop and they cost £22.

Find the cost of each DVD and each CD.

$$\text{DVD} = \pounds 4 \quad \text{CD} = \pounds 5$$



$$3x + 2y = 22 \quad \text{--- (1)}$$

$$2x + 2y = 18$$

$$x = 4$$

sub  $x=4$  into (1)

$$x = 4$$

$$12 + 2y = 22$$

$$y = 5$$

$$2y = 10$$

$$y = 5$$