Name: _____ 5-a-day Foundation Plus

1st January

Corbettmaths

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

$3x \leq 18$

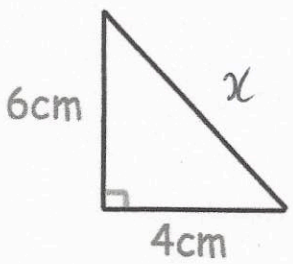
$x \leq 6$

A car decreases in value 10% a year.

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

5000×0.9^2

£4050



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

$52 = x^2$

Calculate the length of the missing side

7.211cm

to 3 dp

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

Work out an estimate for the mean

$720 \div 30 = 24$

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
			720

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.

Form two equations and solve to find the cost of each DVD and each CD.

$3x + 2y = 22$ — ①

$2x + 2y = 18$

$x = 4$

sub $x = 4$ into ①

$12 + 2y = 22$

$2y = 10$

$y = 5$

$x = 4$

$y = 5$