8th June **Foundation Plus 5-a-day**

Corbettmaths

60 people visited a swimming pool one evening.
13 out of the 19 people who wore goggles were adults.
There were 15 children.

Complete a two-way table for this information.

	Goggles	No goggles	total
Adult	13	32	45
child	6	9	15
Total	19	41	60

Hannah is baking two cakes. $2\frac{2}{3}$

One cake needs $1\frac{1}{3}$ cups of milk.

Hannah has $1\frac{1}{4}$ cups of milk.

How much more milk does Hannah need?

$2\frac{2}{3} - 1\frac{1}{4}$

$\frac{8}{3} - \frac{5}{4}$

$\frac{32}{12} - \frac{15}{12} = \frac{17}{12}$

$1\frac{5}{12}$

Solve the simultaneous equations

$3x - 3y = 9$
$2x + y = 12$ $\times 3$

$3x - 3y = 9$
$6x + 3y = 36$

$9x = 45$
$x = 5$

$15 - 3y = 9$
$y = 2$

$x = 5$ & $y = 2$

Find the equation of the line passing through (0, 5) and (2, 11).

$\frac{6}{2} = 3$

$y = 3x + 5$

Calculate length y

$\tan^{\circ} A$

$y = \frac{5}{\tan 60}$

$= 2.88675$ cm
$= 2.89$ cm