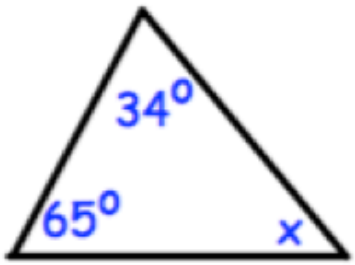
May 22nd	5-a-day	Numeracy

2 6 7 ☐ 15 5 6 1 ☐ 12 9 7 8 ☐ 24 ☐ ☐ ☐ 16 19 16	Find the row and column sums for the grid.
Write three quarters as a decimal 0.75	Write 0.57 as a percentage 57%
8cm 80cm² 10cm	Find the area 80cm² Find the perimeter 10+10+8+8= 36cm
	Find x 180-34-65 =81°
Write 0.85 as a fraction in its simplest form $\frac{85}{100} = \frac{17}{20}$	Write 40% as a fraction in its simplest form $\frac{2}{5}$

May 22nd	5-a-day	Foundation

$\frac{2}{7} \times \frac{2}{3}$ $\frac{4}{21}$

$\frac{3}{4} \div \frac{4}{5}$ $\frac{3}{4} \times \frac{5}{4}$ $= \frac{15}{16}$

Solve 7(2w + 3) = 70

$14w + 21 = 70$

$14w = 49$

$w = 3.5$

Solve 7(w + 11) + w + 9 = 46

$7w + 77 + w + 9 = 46$

$8w + 86 = 46$

$8w = -40$ $w = -5$

	Number of trials	Number of blue beads chosen
Ian	25	7
Hannah	100	19

Write down the relative frequency of Ian choosing a blue bead.

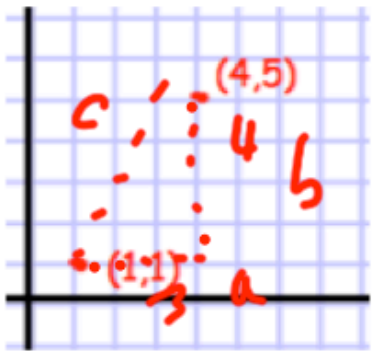
$\frac{7}{25}$

Write down the relative frequency of Hannah choosing a blue bead.

$\frac{19}{100}$

Whose experiment gives a more reliable estimation of the relative frequency?

Hannah's as she carried out more trials



Calculate the distance between (1,1) and (4,5). Hint: Pythagoras

$a^2 + b^2 = c^2$

$3^2 + 4^2 = c^2$

$9 + 16 = c^2$

$c^2 = 25$

$c = 5$

May 22	5-a-day	Higher

Write as a fraction

10^{-3} $\frac{1}{1000}$

Write down the value of

10^0 1

Simplify fully

$\sqrt{2}(\sqrt{2} - \sqrt{8})$

$\sqrt{4} - \sqrt{16}$

$2 - 4 = -2$

Batch 1	Batch 2	Batch 3
150	100	250

A manager wants to select stratified sample of 50.

How many should she choose from batch 2?

$\frac{100}{500} \times 50$

$\frac{1}{5} \times 50 = 10$

Make y the subject

$y + 3 = x(y + 2)$

$y + 3 = xy + 2x$

$y - xy = 2x - 3$

$y(1 - x) = 2x - 3$

$y = \frac{2x - 3}{1 - x}$

The length of a field is 30m to the nearest ten metres.

CB 25m

The width of the field is 10m to the nearest metre.

LB 9.5m

Work out the minimum area of the field.

25×9.5

$= 237.5 m^2$