

May 23rd

5-a-day

Numeracy

Draw a shape with one line of symmetry



What type of angle is shown?

reflex

$$\begin{array}{r} 3 \boxed{5} 4 \\ + 2, 8 6 \\ \hline \boxed{6} 4 \boxed{0} \end{array}$$

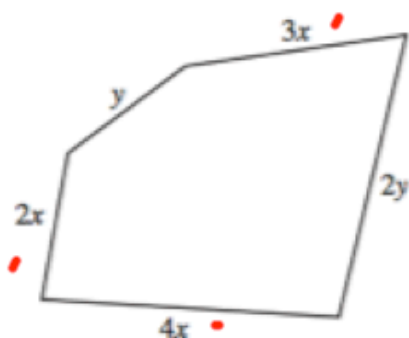
In a class of 20 students, 12 are male.

What fraction of the class are male?

$$\frac{12}{20} = \frac{3}{5}$$

What percentage of the class are male?

60%



Write an expression for the perimeter of the pentagon

$$9x + 3y$$

When $x = 5$ and $y = -7$

Find the value of $2x - 3y$

$$2 \times 5 - 3 \times (-7)$$

$$10 - -21$$

31

Solve $4x + 8 < 20$

$$4x < 12$$

$$x < 3$$

Solve $5x + 1 > 3x + 6$

$$2x + 1 > 6$$

$$2x > 5$$

$$x > 2.5$$

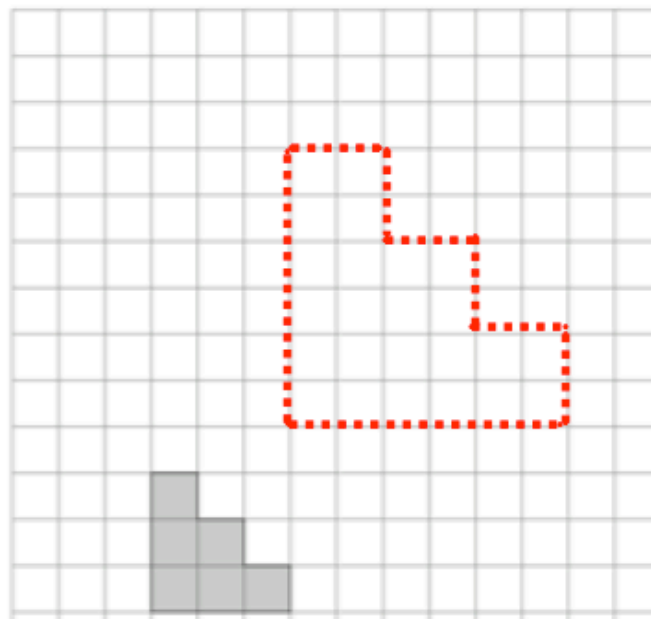
	French	German
Male	14	<u>6</u>
Female	12	8

A student is selected at random.

What is probability of the student being a boy who studies German?

$$\frac{6}{40} = \frac{3}{20}$$

Enlarge the shape by scale factor 2



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Higher

$49^{\frac{1}{2}}$

7

$49^{-\frac{3}{2}}$

$\frac{1}{343}$

Solve

$4x^2 - 25 = 0$

$$(2x - 5)(2x + 5) = 0$$

$$2x = 5 \quad 2x = -5$$

$$x = 2.5 \quad \text{or} \quad x = -2.5$$

Simplify

$$\frac{5x^2 - 13x + 8}{x^2 - 1}$$

$$\frac{(5x - 8)(x - 1)}{(x - 1)(x + 1)} = \frac{5x - 8}{x + 1}$$

Complete the formula:

Frequency density =

$$\frac{\text{frequency}}{\text{class width}}$$

Write down the quadratic formula.

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Number of goals	0	1	2	3
Probability	0.4	0.3	0.2	0.1

$$P(\text{Score}) = 0.6$$

$$0.6 \times 0.6 = 0.36$$

What is the probability David scores in two consecutive games?