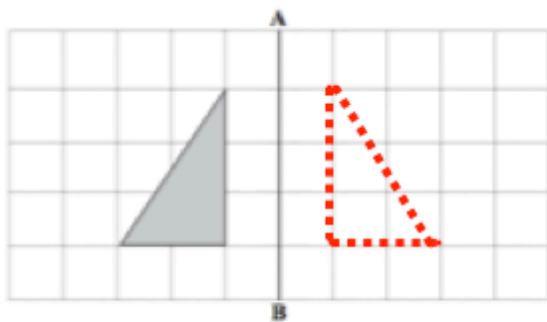


Add together 81 and 23

104

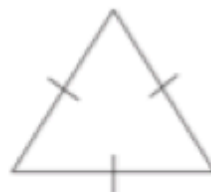


Reflect the triangle in the line AB



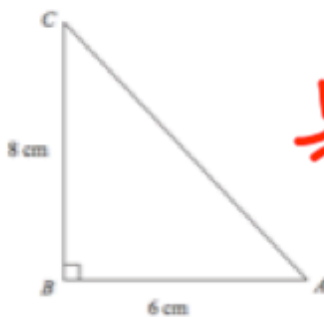
right angled

What is the name of this type of triangle?



equilateral

What is the name of this type of triangle?



$$\frac{1}{2}(6 \times 8) = 24 \text{ cm}^2$$

Work out the area of this triangle

Write these numbers in order, from smallest to largest.

22%

$\frac{1}{5}$

0.3

20% 30%

$\frac{1}{5}, 22\%, 0.3$

Sophie has 5 chickens. ²⁰
Each chicken lays 4 eggs a week.

Sophie sells 6 eggs in a box for £1.
Each box costs 10p.

How much money will she make in 10 weeks?

$$20 \times 10 = \boxed{200}$$

$$200 \div 6 = 33.33$$

33 boxes

sells for.
£33

33 boxes cost
£3.30

$$£33 - £3.30$$

$$£29.70$$

Solve $5y + 70 = 110$

$$5y = 40$$

$$y = 8$$

Solve $100 - x = 10 + x$

$$100 = 10 + 2x$$

$$90 = 2x$$

$$x = 45$$

The length of a side of a square is y

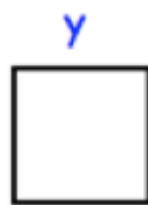
The length of a side of an equilateral triangle is 4cm longer than the side of a square.

The perimeters are the same.

Work out the perimeter of the square.

$$4y = 3y + 12$$

$$y = 12$$



$$4y$$



$$3y + 12$$

$$4 \times 12 = \underline{48 \text{ cm}}$$

Solve the simultaneous equations

$$\begin{array}{r} 2x + y = 7 \\ 3x - y = 8 \\ \hline 5x = 15 \end{array}$$

$x = 3$

$9 - y = 8$
check
 $6 + 1 = 7$
 $y = 1$
✓

Factorise $x^2 - x - 12$

$$(x - 4)(x + 3)$$

Simplify

$$\frac{1}{x+1} + \frac{5x}{x-2}$$

$$= \frac{5x^2 + 6x - 2}{(x+1)(x-2)}$$

$\frac{x-2 + 5x(x+1)}{(x+1)(x-2)} = \frac{x-2+5x^2+5x}{(x+1)(x-2)}$

Write 5.2×10^{-4}

0.00052

A sphere of diameter 4cm is cut from a cube with side length 4cm.

What percentage of the cube is wasted?

$$\frac{30.489}{64} \times 100 = 47.64\%$$

$\frac{4}{3} \pi x 2^3 = 33.5103..$
 $64 - 33.5103.. = 30.489..$