

5th February



Corbettmaths

Make  $w$  the subject

$$g = \frac{w}{w - 5}$$

4 blue socks and 6 black socks are in a drawer.

Keith takes out two socks at random.

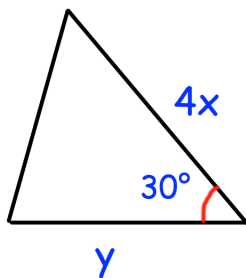
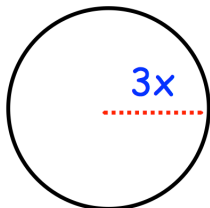
Work out the probability that Keith takes out two socks of the same colour.

Given

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

find

$$f^{-1}(x)$$



The areas of the circle and triangle are equal.

Express  $y$  in terms of  $x$ .

Find the reciprocal of

 $1.2\dot{3}\dot{5}$