

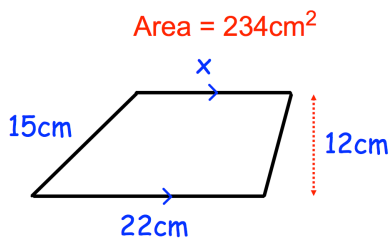


Write 75 as a product of primes.

Work out the LCM of 75 and 220.

Work out the HCF of 75 and 220.

Find x



An empty bucket weighs 800g.  
The weight of the bucket increases to 2.1kg when filled with water.

Calculate the percentage increase in the weight of the bucket.  
Give your answer to two significant figures.

Solve

$$\frac{11 - w}{5} = 3 + w$$