

30th August



Corbettmaths

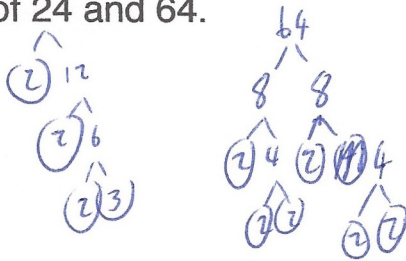
Work out

$$\frac{5}{6} \div 3$$

$$\frac{5}{6} \div \frac{3}{1}$$

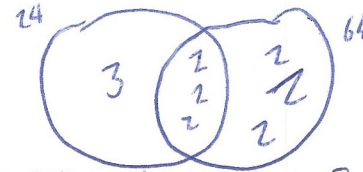
$$\frac{5}{6} \times \frac{1}{3} = \frac{5}{18}$$

Work out the Lowest Common Multiple of 24 and 64.



$$24 = 2 \times 2 \times 2 \times 3$$

$$64 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$$



$$\text{LCM} = 3 \times 2 \times 2 \times 2 \times 2 \times 2 = 192$$

Calculate the pressure if the area is 10cm^2 and the force is 420N

$$P = \frac{F}{A} \quad P = \frac{420}{10}$$

$$\text{or } \frac{420}{0.001}$$

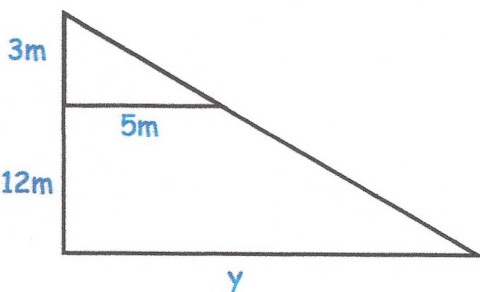
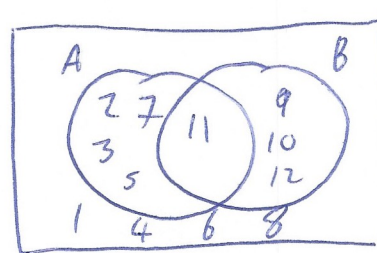
$$42\text{N/cm}^2$$

or

$$420000\text{N/m}^2$$

$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$
 $A = \{\text{prime numbers}\} \{2, 3, 5, 7, 11\}$
 $B = \{\text{numbers greater than 8}\} \{9, 10, 11, 12\}$

Draw a Venn diagram for this information.



Find y

