28th June   Corbettmaths
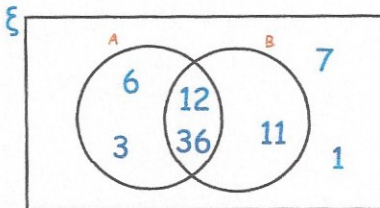
Simplify $4\sqrt{6} \div 2\sqrt{2}$

$2\sqrt{3}$
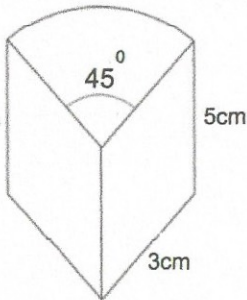
Simplify $2\sqrt{2} \times 3\sqrt{8}$

$6\sqrt{16} = 6 \times 4 = 24$

ξ

6 12 7
3 36 11
          1

A   B

Write down the numbers that are in set
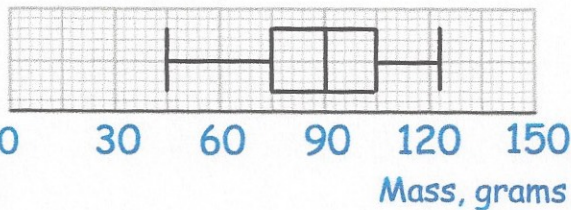
A' ∩ B'

$1, 7$

45°

5cm

3cm

$48.8\,cm^2$

Calculate the surface area.

$\frac{45}{360} \times \pi \times 3 = \frac{9}{8}\pi$

$= \frac{9}{8}\pi$

$3 \times 5 = 15$
15

$\frac{45}{360} \times \pi \times 6 \times 5$
$= \frac{15}{4}\pi$

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0   30   60   90   120   150

Mass, grams

Jack is going to select apples at random from the crate.
After selecting each apple, he records its mass and returns it to the crate before
picking another.
Work out the probability that:

Jack picks two apples, both under 75g

$\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$

Jack picks two apples, both over 90g

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

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