

May 16th

5-a-day

Numeracy

Draw a trapezium



Draw a rhombus



How many people could seven 53-seater coaches hold?

371

	London	New York	Beijing
High	29	30	41
Low	-3	-10	2

Which city had the largest difference between their high and low temperature?

New York

$595 \div 35$

17

24×13

312

	Single	Return
Adult	£40	£59
Child	£25	£48

Marion and her child are going to Dublin.

she

How much does she save by buying returns instead of singles for her and her child?

Returns Singles
£107 £130
saves £23

The probability of it raining is 0.3

What is the probability of it not raining?

$$0.7$$

Over 20 days, how many would you expect rain?

$$20 \times 0.3 = 6$$

Jose has some counters.

20% are red.

1/2 are green.

The rest are blue.

$$50\% \\ 30\%$$

There are 18 blue counters.
How many counters are there?

$$30\% = 18$$

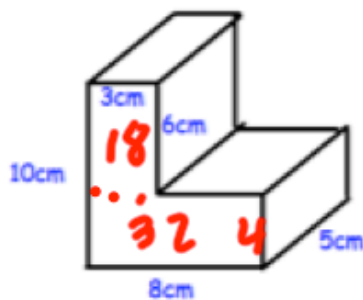
$$10\% = 6$$

$$100\% = 60$$

Simplify

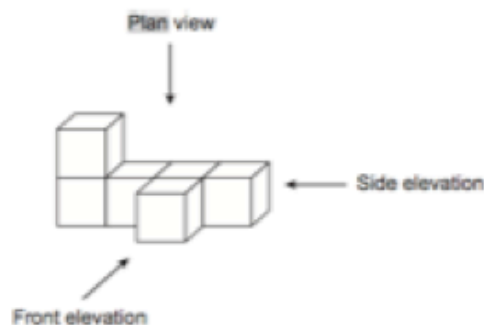
$$y^3 \times y^4$$

$$y^7$$

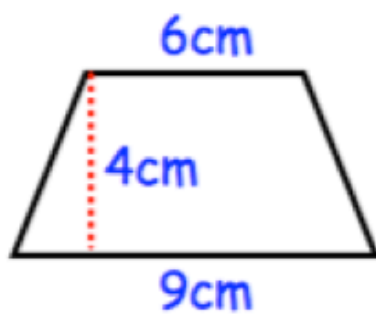


Calculate the volume of this prism.

$$50 \times 5 = 250 \text{ cm}^3$$



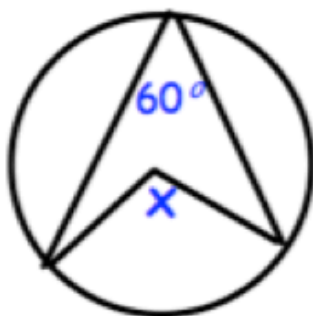
Draw the front elevation



Calculate the area

$$\frac{1}{2}(6+9) \times 4$$

$$2(6+9) = 30 \text{ cm}^2$$



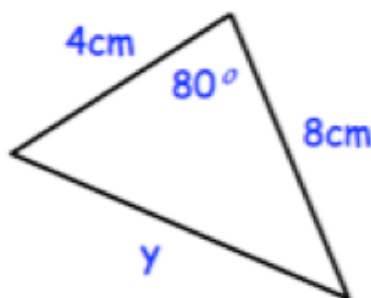
Calculate angle x

$$120^\circ$$

Simplify

$$8\sqrt{15} \div 2\sqrt{5}$$

$$4\sqrt{3}$$



Calculate y.

$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$y^2 = 4^2 + 8^2 - 2 \times 4 \times 8 \times \cos 80$$

$$y^2 = 68.88 \dots \quad y = 8.3 \text{ cm}$$

Simplify

$$\frac{x^2 - 1}{x^2 + 4x + 3}$$

$$\frac{(x-1)(x+1)}{(x+3)(x+1)}$$

$$\frac{x-1}{x+3}$$