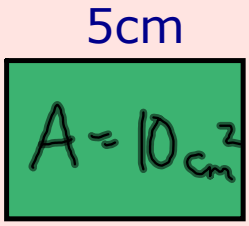
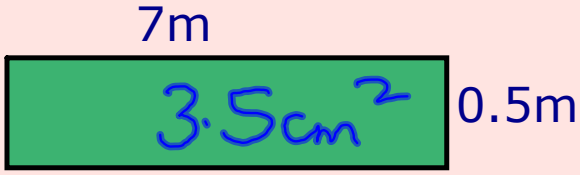
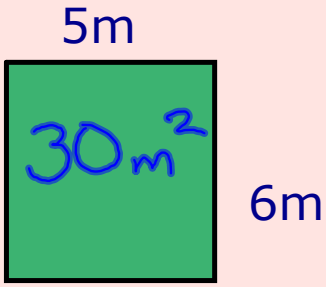
intro

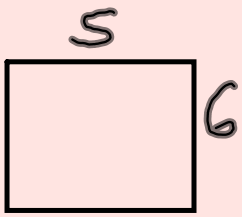
Find the area of each shape

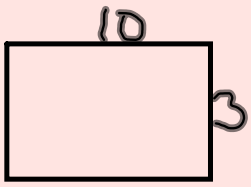


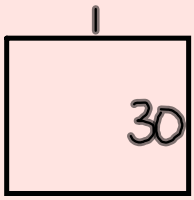


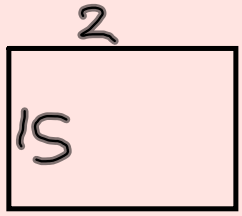


Draw 3 rectangles with area 30cm^2.









Which one has the largest perimeter?

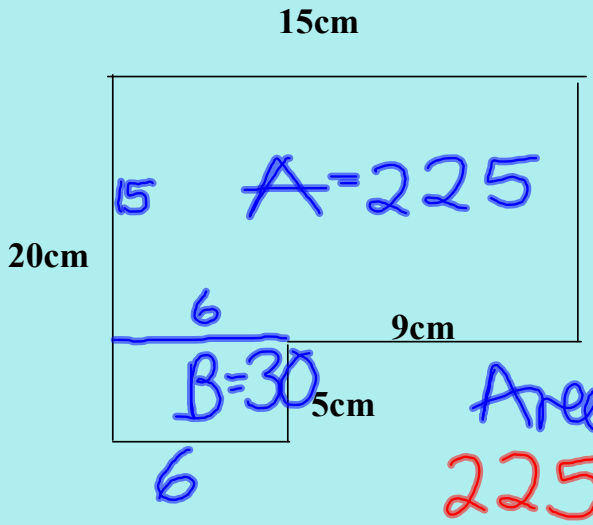
The area of Mabel's bed is 5000cm^2.

Draw some possible sizes for her bed.

intro

Compound shapes

Compound shapes are made up of more than one shape.



Area =
225+30
=255cm²

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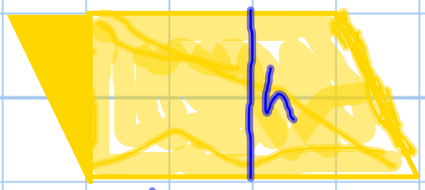
Homework

Page 4 Qu 1, 3

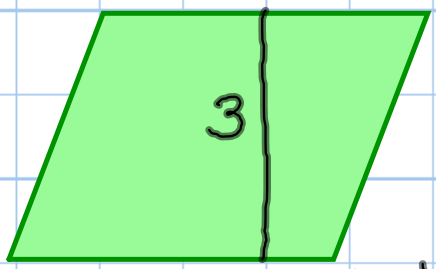
Page 6 Qu 1

Revise for test.

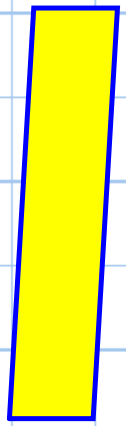
Area of Parallelograms



Area = base x ht



A = 12cm²



A = 1 x 5 = 5cm²

p213 B3
215 C4
C5, D1

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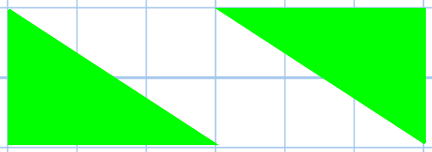
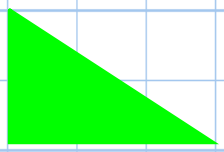
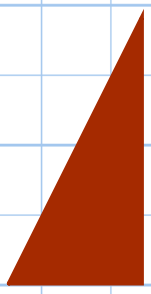
Area of Triangles

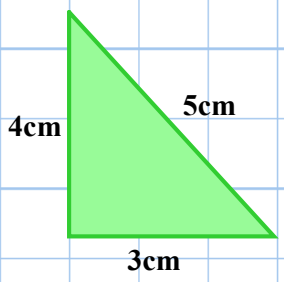
Area = $\frac{1}{2}$ x base x ht







Area of a triangle =



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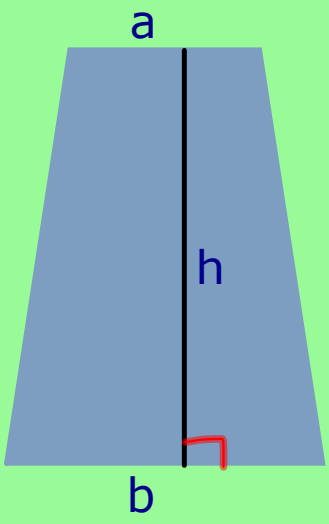
worksheet on mixed problems

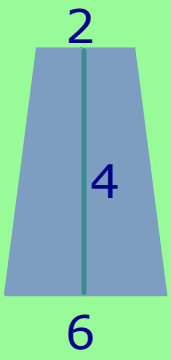
100m = km
50m = km

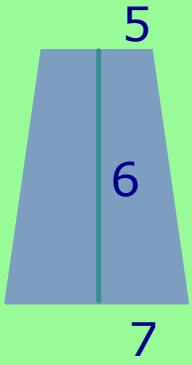
Area = lx w =

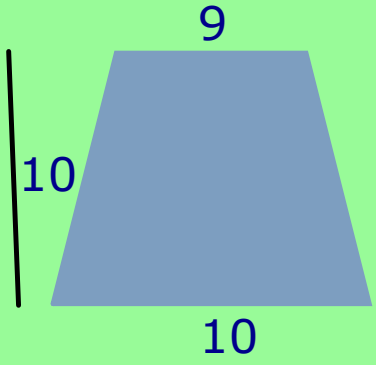
Area of a trapezium



$$\text{Area} = \frac{(a+b) \times h}{2}$$

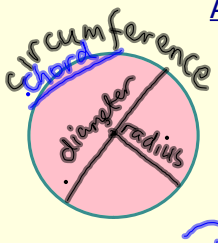


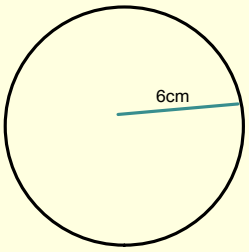




worksheet on mixed areas

Area of Circles





π = pi

= 3.14

Area = πr^2

= 3.14 x 6 x 6

= 113.04

= 113 cm^2

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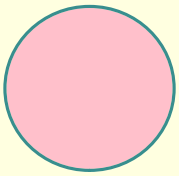
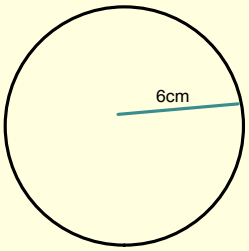
Perimeter of Circles



circumference = $\pi \times d$



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Volume

Build a shape of volume:

$6cm^3$

$10cm^3$

Build a cuboid of volume $12cm^3$.

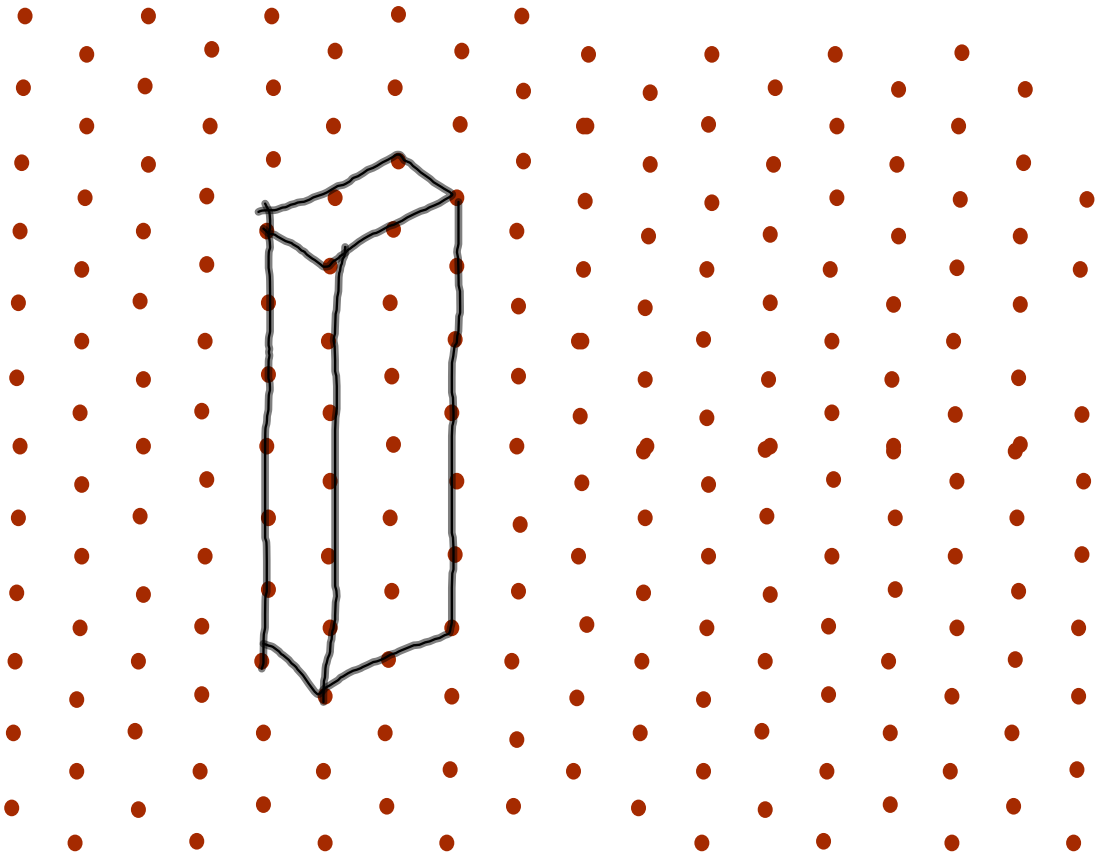
On dotty paper:

Draw a cuboid of volume $12cm^3$

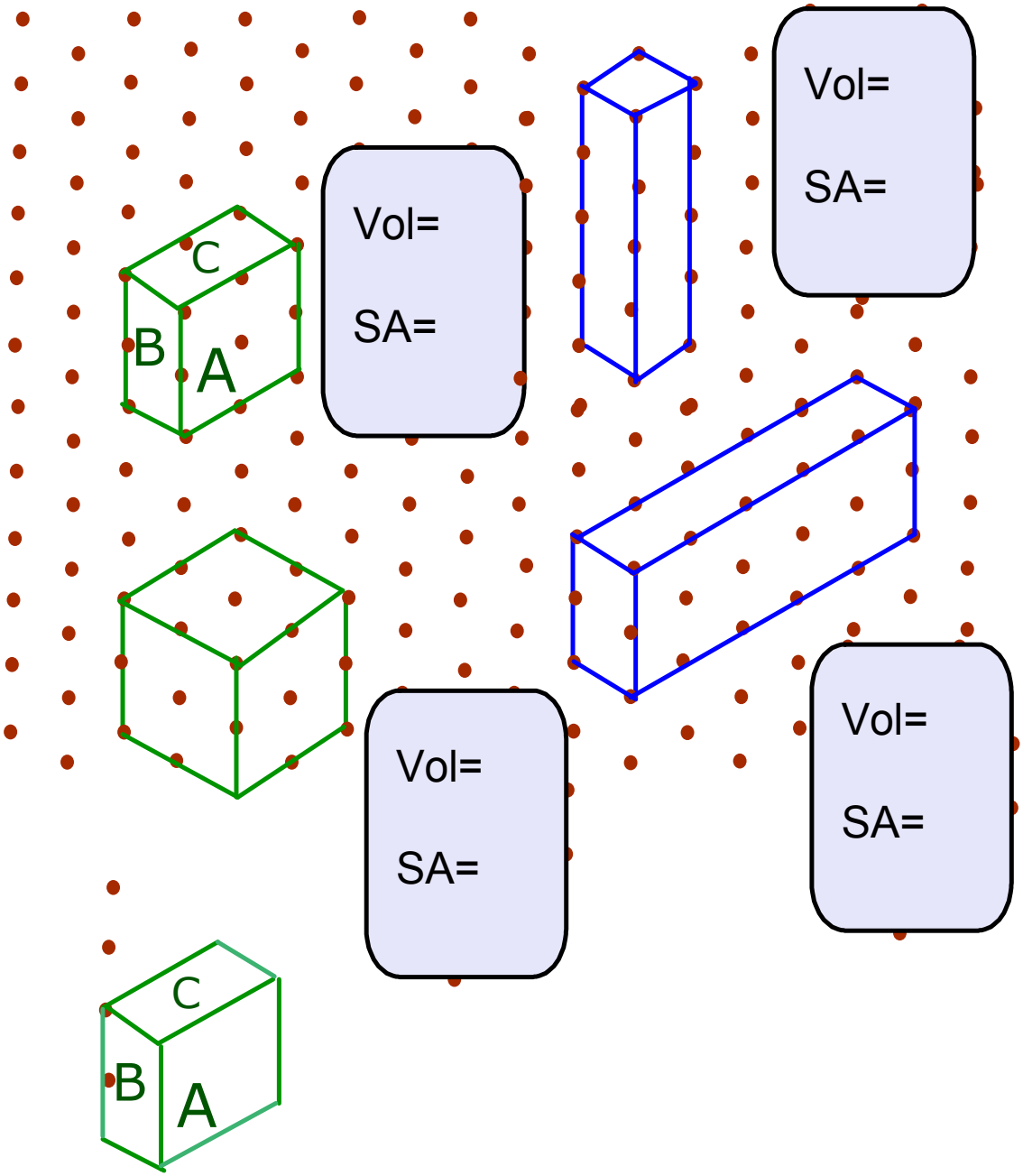
Draw a cubiod of volume $15cm^3$.

Draw another cuboid and write down its volume.

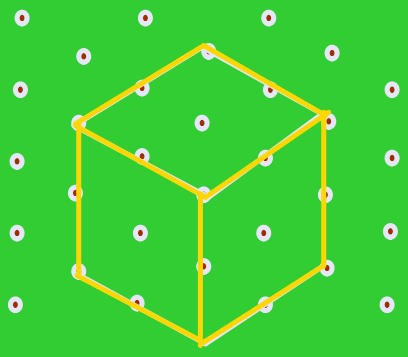
page 424 even nos only



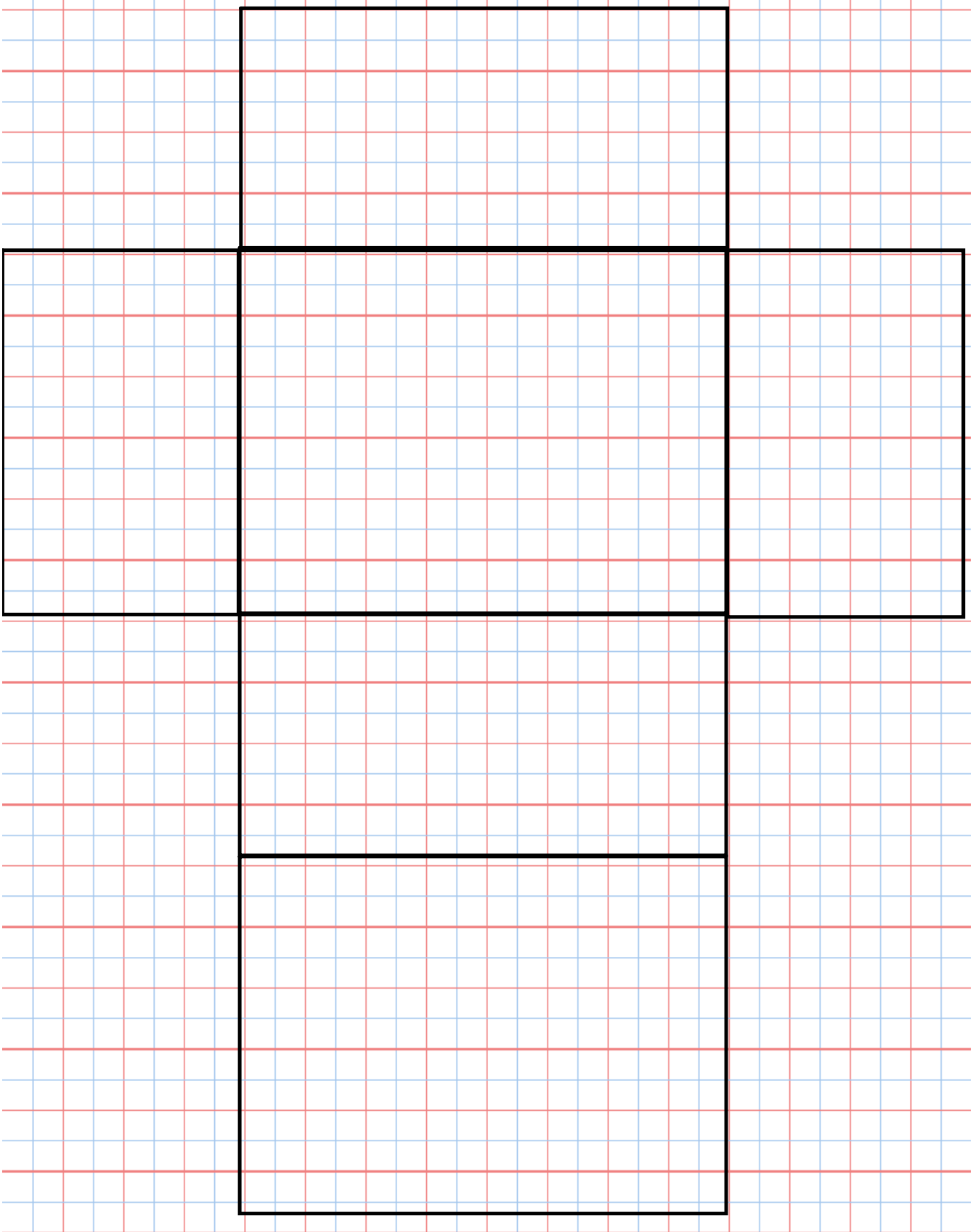
Surface area of cuboids



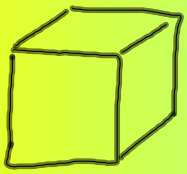
Nets of cuboids



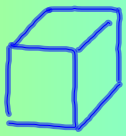
Net of a 4x6x8 cuboid

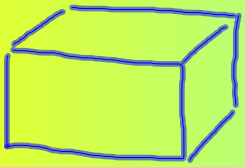


Prisms

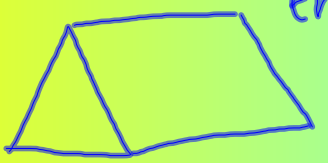


Cube

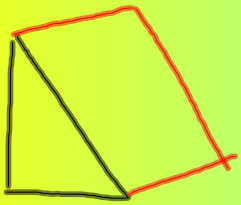




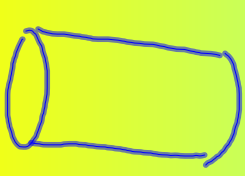
Cuboid



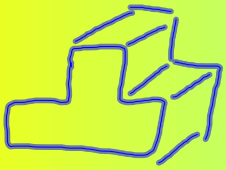
triangular prism



right triangular prism

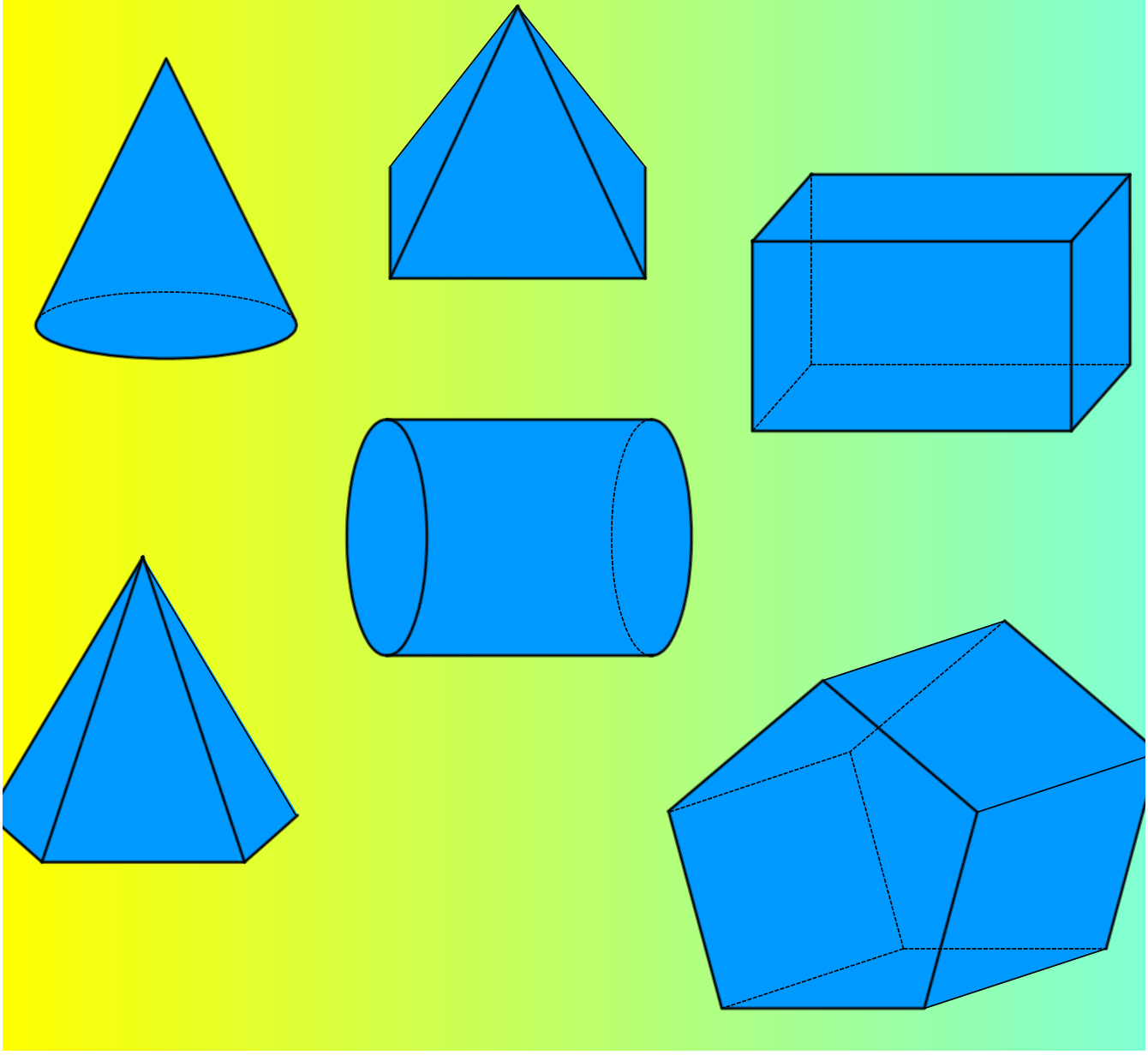


cylinder

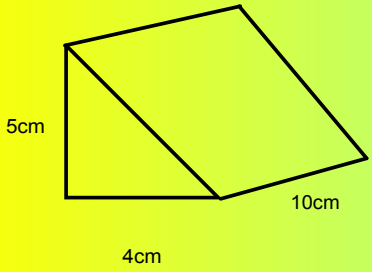


Cube / cuboid
Faces: 6
Edges: 12
vertices: 8

Prisms



Volume of Prisms

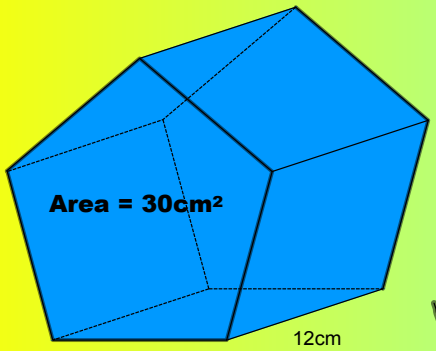


Vol = area of triangle × depth

$$\text{Vol} = \frac{5 \times 4}{2} \times 10$$

$$= 10 \times 10$$

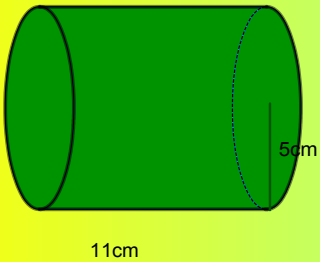
$$= 100\,cm^3$$



Vol = area of face × depth

$$\text{Vol} = 30 \times 12$$

$$= 360\,cm^3$$



Area of circle $= \pi r^2$

$$= \pi \times 25$$

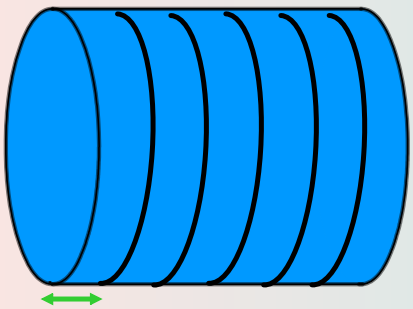
$$= 75\,cm^3$$

Volume $= 75 \times 11$

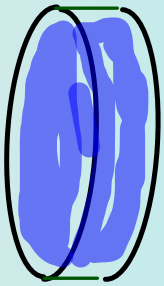
$$= 825\,cm^3$$

$$\begin{array}{r} 750 \\ +\ 75 \\ \hline 825 \end{array}$$

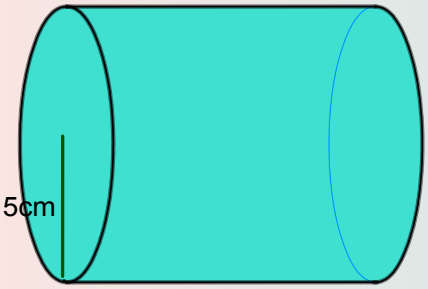
Volume of a cylinder



1cm



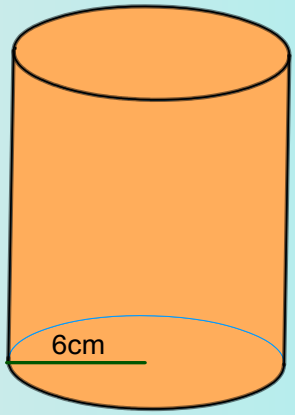
Vol =



5cm

11cm

20cm



6cm