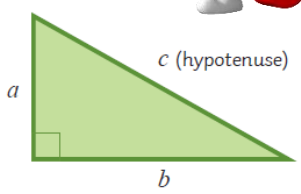
MATHEMATICS

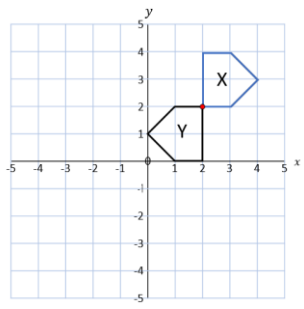
GEOMETRY & MEASURES

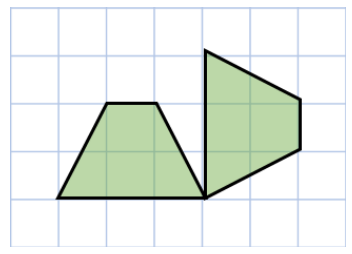
Post 16

$c^2 - b^2 = a^2$

$c^2 - a^2 = b^2$

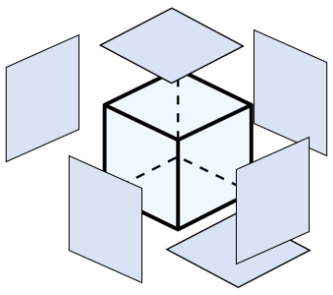


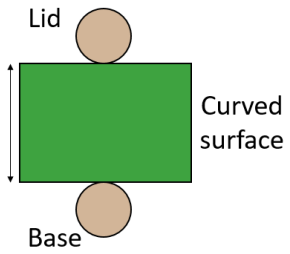


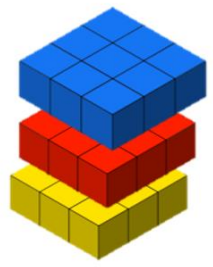


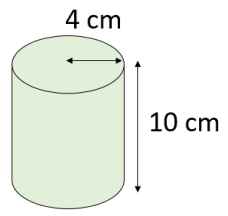
revision

plans and elevations









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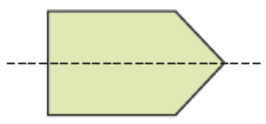
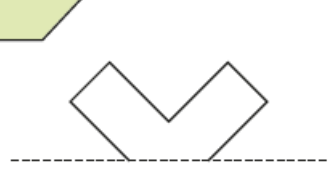
Pythagoras theorem

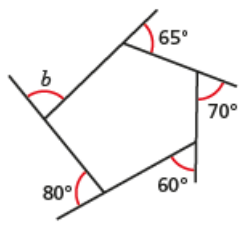
rotational symmetry

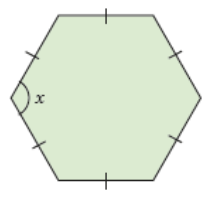
arc length and area of a sector

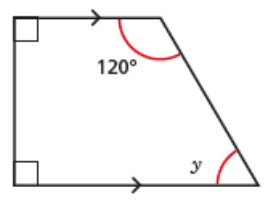
YEAR 10





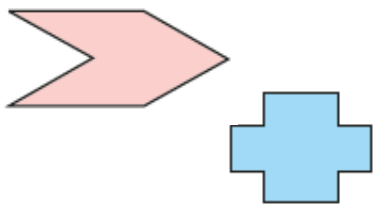


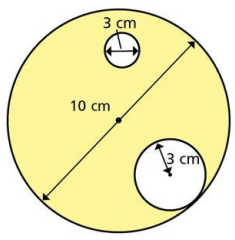


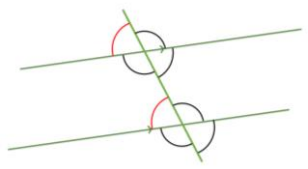


volume: cuboid, cylinder

angles:
in parallel lines, interior/exterior in polygons







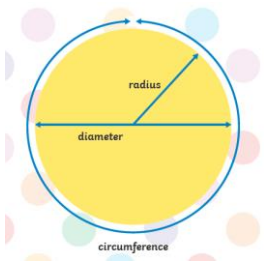
Corresponding angles are equal.

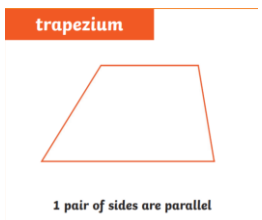
YEAR 9

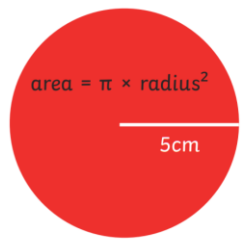
area: trapezium, circle

surface area: cuboid, cylinder

YEAR 8



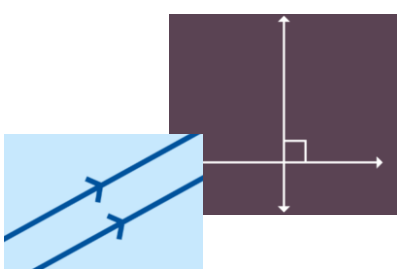


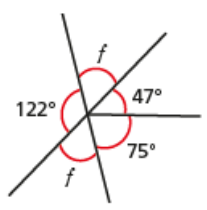


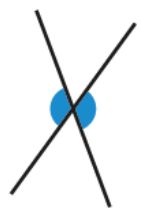
$3.14 \times 5^2 = 78.5$ square cm

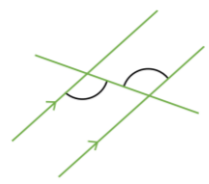
parallel & perpendicular lines

angles:
at a point, adjacent, vertically opposite







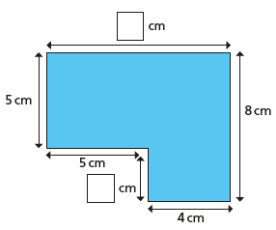


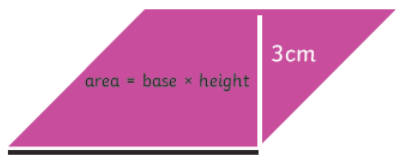
Alternate angles are equal.

perimeter problem solving

area:
rectangle, parallelogram, triangle

YEAR 7

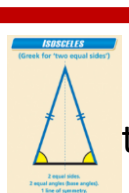


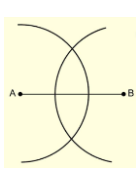


$3 \times 5 = 15$ square cm

Coming From Key Stage 2...

triangles-perpendicular-parallel-perimeter-area-angles





"An ounce of algebra is worth a ton of verbal argument." **John B S Haldane**