

LEVELS 3 TO 4

DRAW COMMON 2-D SHAPES
IN DIFFERENT DIRECTIONS
ON GRIDS

MAKE 3-D MODELS



FIND
PERIMETERS

NAME 2-D AND 3-D
SHAPES

UNDERSTAND FACES,
EDGES AND VERTICES

SHAPE, SPACE & MEASURES



RECOGNISE REFLECTIVE
SYMMETRY

FIND AREA BY
COUNTING SQUARES

USE METRIC UNITS OF
LENGTH, CAPACITY AND
MASS

REFLECT SIMPLE
SHAPES IN A
MIRROR LINE

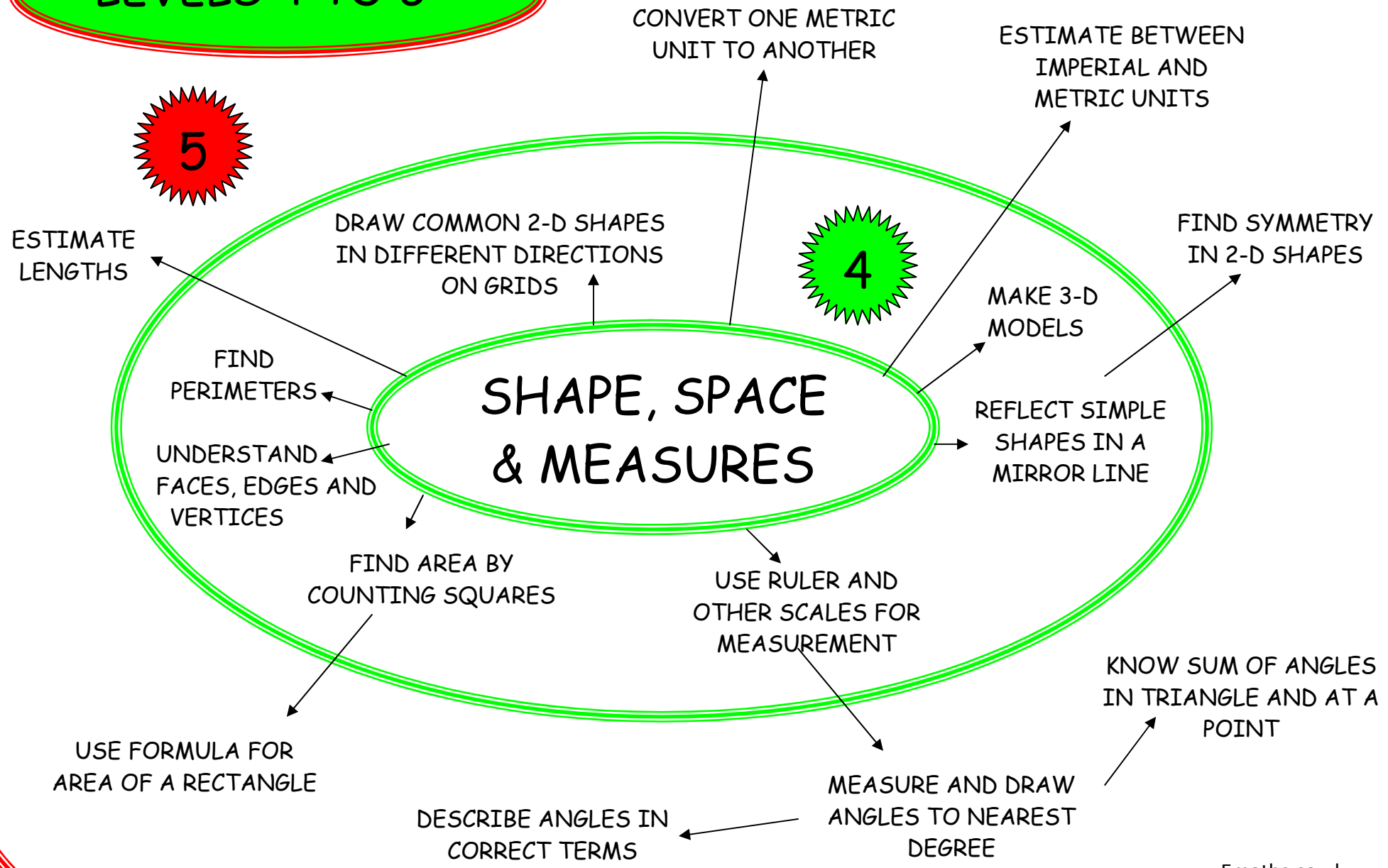
USE RULER AND
OTHER SCALES FOR
MEASUREMENT

LEVELS 4 TO 5

5

4

SHAPE, SPACE & MEASURES



LEVELS 5 TO 6

6

5

SHAPE, SPACE & MEASURES

FIND AREA AND CIRCUMFERENCE OF CIRCLES USING π

FIND AREA OF TRIANGLE, TRAPEZIUM AND PARALLELOGRAM

VOLUME OF CUBOIDS

USE FORMULA FOR AREA OF A RECTANGLE

CONVERT ONE METRIC UNIT TO ANOTHER

ESTIMATE BETWEEN IMPERIAL AND METRIC UNITS

USE 2-D VERSIONS OF 3D SHAPES

ESTIMATE LENGTHS

MEASURE AND DRAW ANGLES TO NEAREST DEGREE

ENLARGE SHAPES

DESCRIBE ANGLES IN CORRECT TERMS

KNOW SUM OF ANGLES IN TRIANGLE AND AT A POINT

FIND SYMMETRY IN 2D SHAPES

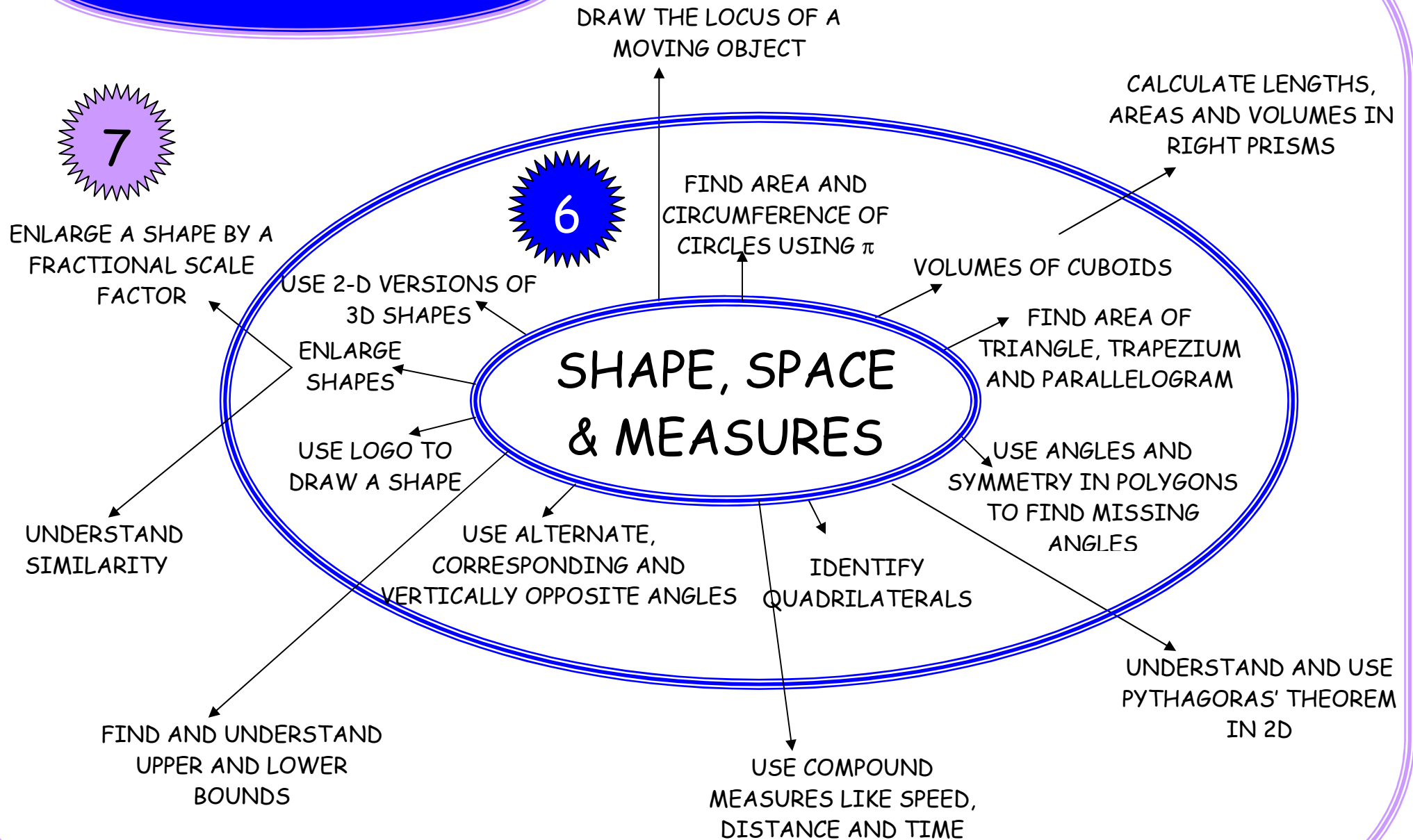
USE LOGO TO DRAW A SHAPE

USE ANGLES AND SYMMETRY IN POLYGONS TO FIND MISSING ANGLES

USE ALTERNATE, CORRESPONDING AND VERTICALLY OPPOSITE ANGLES

IDENTIFY QUADRILATERALS

LEVELS 6 TO 7



LEVELS 7 TO 8

8

7

SHAPE, SPACE & MEASURES

USE SINE, COSINE AND TANGENT IN RIGHT ANGLED TRIANGLES IN 2D

DRAW THE LOCUS OF A MOVING OBJECT

CALCULATE LENGTHS, AREAS AND VOLUMES IN RIGHT PRISMS

ENLARGE A SHAPE BY A FRACTIONAL SCALE FACTOR

UNDERSTAND SIMILARITY

UNDERSTAND AND USE PYTHAGORAS' THEOREM IN 2D

FIND AND UNDERSTAND UPPER AND LOWER BOUNDS

USE COMPOUND MEASURES LIKE SPEED, DISTANCE AND TIME

USE CONGRUENCE AND MATHEMATICAL SIMILARITY

DISTINGUISH BETWEEN FORMULAE FOR PERIMETER, AREA AND VOLUME BY CONSIDERING DIMENSIONS