NAPLAN Revision Notes - Area & Perimeter

Grade 3 - Area & Perimeter

AREA

What is area?

Area is the space inside a shape.

How to find area:

- Count the squares inside a shape
- Area = length x width

Example:

A 4x4 rectangle has Area = 4 x 4 = 16 squares

Key words: inside, cover, square units

PERIMETER

What is perimeter?

Perimeter is the distance around the outside of a shape.

How to find perimeter:

- Add up all the sides
- Perimeter = side + side + side + side

Example:

A 4cm x 3cm rectangle

Perimeter = 4 + 3 + 4 + 3 = 14 cm

Key words: around, outside, edges, boundary

Grade 3 Tips:

- Draw pictures to visualise
- Count squares carefully
- Don't forget units (cm2 for area, cm for perimeter)

Grade 5 - Area & Perimeter

AREA OF RECTANGLE

Formula: Area = length x width

A = l x w

Example:

Length = 8 cm, Width = 5 cm

Area = 8 x 5 = 40 cm2

AREA OF TRIANGLE

Formula: Area = 1/2 x base x height

A = 1/2 x b x h

Example:

Base = 6 cm, Height = 4 cm

Area = 1/2 x 6 x 4 = 12 cm2

PERIMETER OF RECTANGLE

Formula: Perimeter = 2 x (length + width)

P = 2(l + w)

Example:

Length = 8 cm, Width = 5 cm

Perimeter = 2 x (8 + 5) = 26 cm

AREA OF COMPOSITE SHAPES

Break into smaller shapes, find each area, then add together.

Grade 5 Tips:

- Remember: area uses cm2 (square units)
- Perimeter uses cm (linear units)
- For triangles, always multiply by 1/2
- Show all working in exams
- Check units match in calculations

Quick Formulas Reference

Shape	Area	Perimeter
Rectangle	l x w	2(l + w)
Square	s x s	4s
Triangle	1/2b x h	s1 + s2 + s3

Remember:

- Area = what is INSIDE (cm2)

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- Perimeter = what is AROUND (cm)