Varied Fluency
Step 3: Area of a Triangle 1

National Curriculum Objectives:

Mathematics Year 6: (6M7b) Calculate the area of parallelograms and triangles

Differentiation:

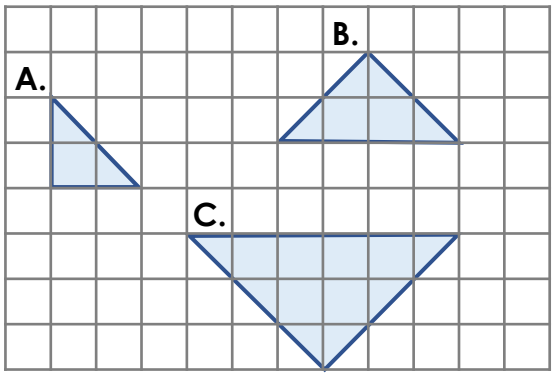
Developing Questions to support calculating the area of triangles where the squares measure 1cm² and part squares are always worth a half.
Expected Questions to support calculating the area of triangles where the squares measure 1cm².
Greater Depth Questions to support calculating the area of triangles where the squares measure 2cm² or 3cm².

More Year 6 Perimeter, Area and Volume resources.

Did you like this resource? Don't forget to review it on our website.

Area of a Triangle 1

1a. Find the area of each triangle by counting the squares, then order them from smallest to largest.



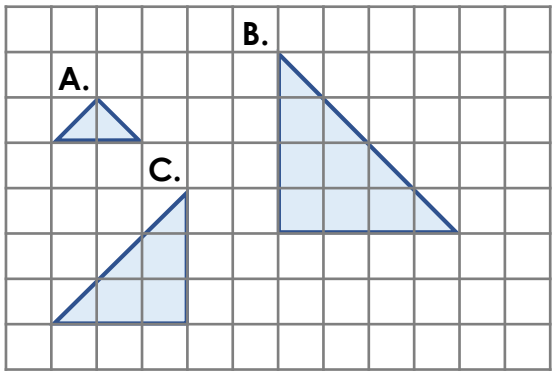
1 square = 1cm²

D

Not to scale

VF

1b. Find the area of each triangle by counting the squares, then order them from largest to smallest.



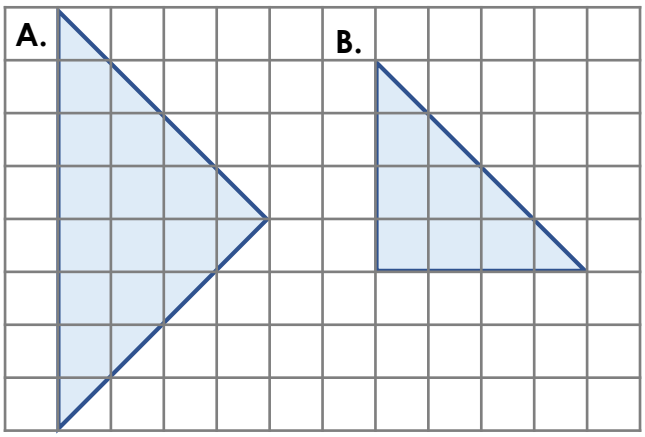
1 square = 1cm²

D

Not to scale

VF

2a. If each square equals 1cm², find the area of these triangles.

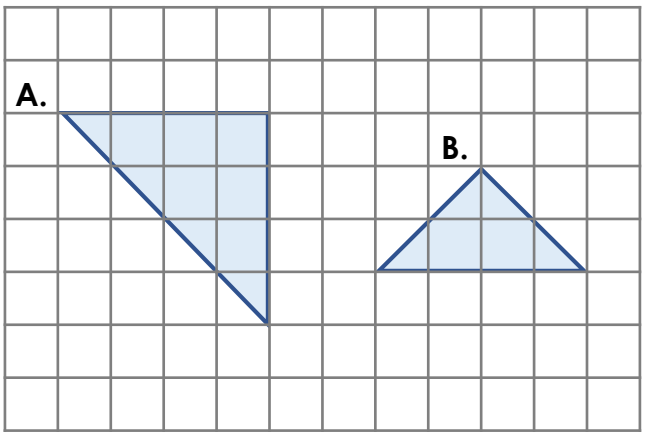


D

Not to scale

VF

2b. If each square equals 1cm², find the area of these triangles.

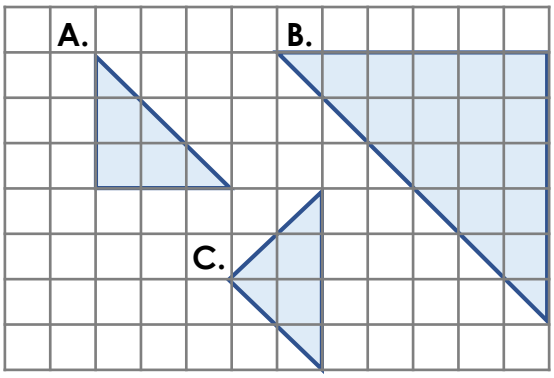


D

Not to scale

VF

3a. Each square equals 1cm². Match each triangle to its area.



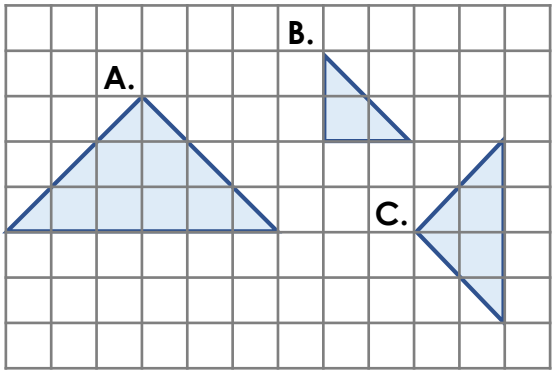
18cm² | 4cm² | 4.5cm²

D

Not to scale

VF

3b. Each square equals 1cm². Match each triangle to its area.



4cm² | 9cm² | 2cm²

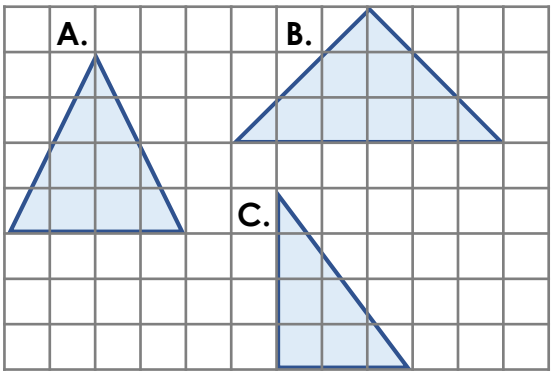
D

Not to scale

VF

Area of a Triangle 1

4a. Find the area of each triangle by counting the squares, then order them from largest to smallest.

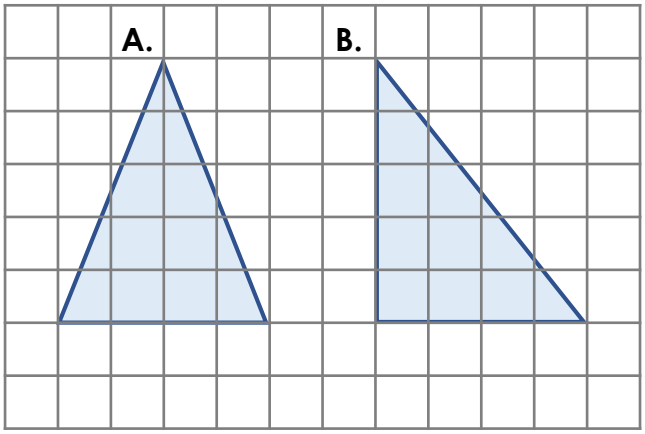


1 square = 1cm²

Not to scale

VF

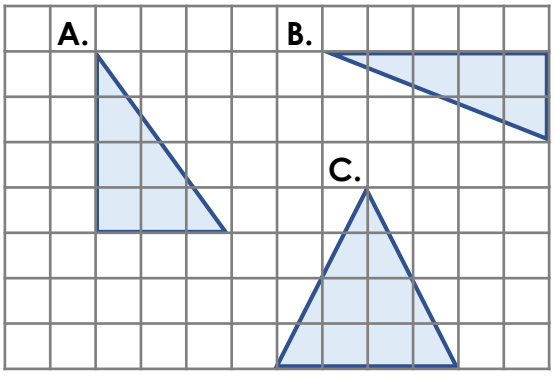
5a. If each square equals 1cm², find the area of these triangles.



Not to scale

VF

6a. Each square equals 1cm². Match each triangle to its area.



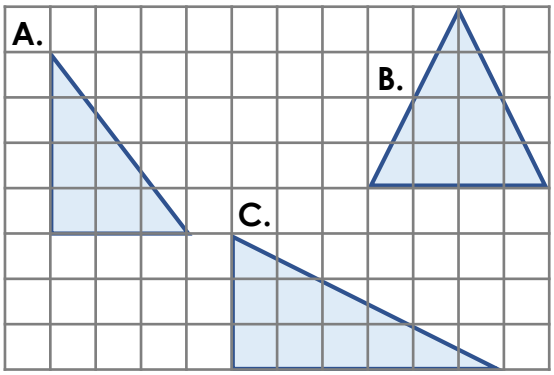
6cm² | 5cm² | 8cm²

Not to scale

VF

Area of a Triangle 1

4b. Find the area of each triangle by counting the squares, then order them from smallest to largest.

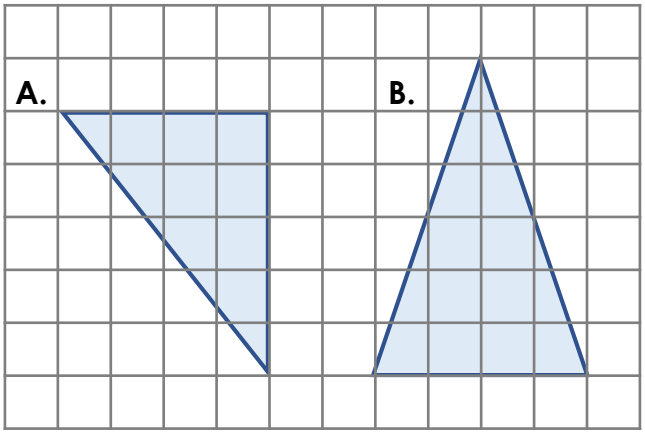


1 square = 1cm²

Not to scale

VF

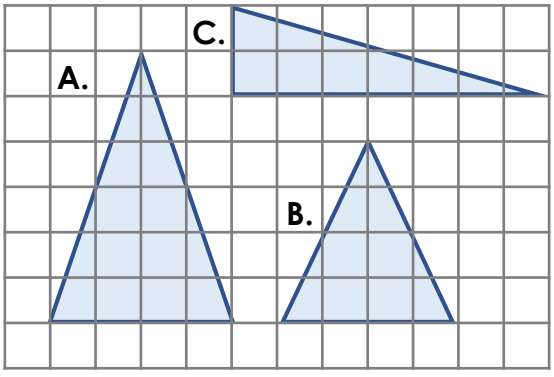
5b. If each square equals 1cm², find the area of these triangles.



Not to scale

VF

6b. Each square equals 1cm². Match each triangle to its area.



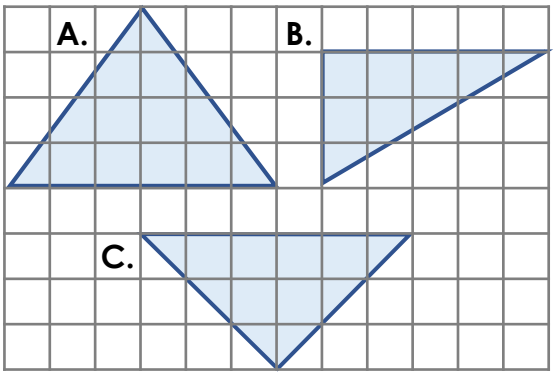
12cm² | 7cm² | 8cm²

Not to scale

VF

Area of a Triangle 1

7a. Find the area of each triangle by counting the squares, then order them from smallest to largest.



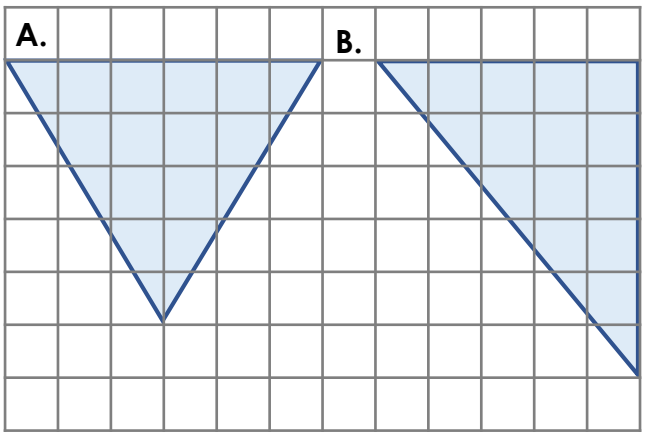
1 square = 2cm²

GD

Not to scale

VF

8a. If each square equals 3cm², find the area of these triangles.

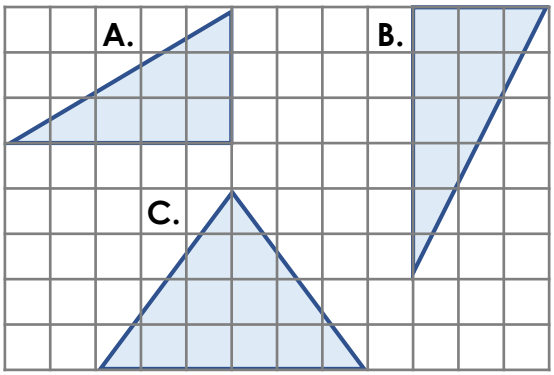


GD

Not to scale

VF

9a. Each square equals 2cm². Match each triangle to its area.



24cm² | 15cm² | 18cm²

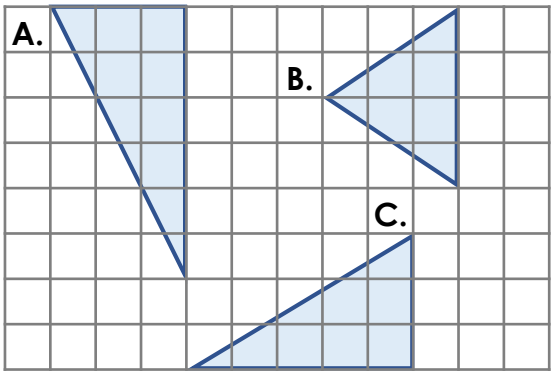
GD

Not to scale

VF

Area of a Triangle 1

7b. Find the area of each triangle by counting the squares, then order them from largest to smallest.



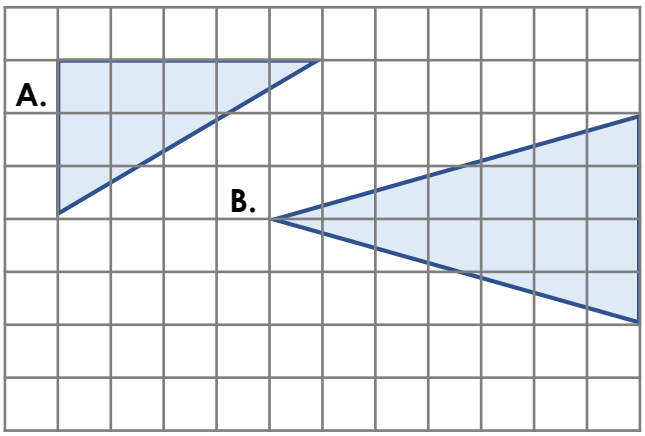
1 square = 3cm²

GD

Not to scale

VF

8b. If each square equals 2cm², find the area of these triangles.

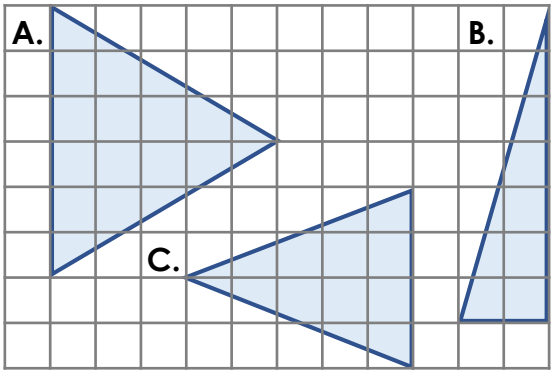


GD

Not to scale

VF

9b. Each square equals 3cm². Match each triangle to its area.



21cm² | 45cm² | 30cm²

GD

Not to scale

VF

Varied Fluency
Area of a Triangle 1

Developing

1a. A = $2cm^2$, B = $4cm^2$, C = $9cm^2$

2a. A = $16cm^2$, B = $8cm^2$

3a. A = $4.5cm^2$, B = $18cm^2$, C = $4cm^2$

Expected

4a. B = $9cm^2$, A = $8cm^2$, C = $6cm^2$

5a. A = $10cm^2$, B = $10cm^2$

6a. A = $6cm^2$, B = $5cm^2$, C = $8cm^2$

Greater Depth

7a. B = $15cm^2$, C = $18cm^2$, A = $24cm^2$

8a. A = $45cm^2$, B = $45cm^2$

9a. A = $15cm^2$, B = $18cm^2$, C = $24cm^2$

Varied Fluency
Area of a Triangle 1

Developing

1b. B = $8cm^2$, C = $5.5cm^2$, A = $1cm^2$

2b. A = $8cm^2$, B = $4cm^2$

3b. A = $9cm^2$, B = $2cm^2$, C = $4cm^2$

Expected

4b. A = $6cm^2$, B = $8cm^2$, C = $9cm^2$

5b. A = $10cm^2$, B = $12cm^2$

6b. A = $12cm^2$, B = $8cm^2$, C = $7cm^2$

Greater Depth

7b. A = $27cm^2$, C = $22.5cm^2$, B = $18cm^2$

8b. A = $15cm^2$, B = $28cm^2$

9b. A = $45cm^2$, B = $21cm^2$, C = $30cm^2$