Practice Sheets Answers

Properties of polygons (mild)

	square	equilateral triangle	irregular pentagon	regular hexagon	regular pentagon
all sides the same length	✓	✓		✓	✓
one pair of parallel sides			✓		
more than 1 pair of parallel sides	✓			✓	
5 sides			✓		✓
more than 4 sides			✓	✓	✓
less than 5 vertices	✓	✓			

Challenge

Children's drawings will vary but a shape with 3 sets of parallel sides will be a regular hexagon.

Properties of polygons (hot)

	square	equilateral triangle	irregular pentagon	regular hexagon	regular pentagon	octagon
all sides the same length	✓	✓		✓	✓	✓
one pair of parallel sides			✓			
more than 1 pair of parallel sides	✓			✓		✓
5 sides			✓		✓	
more than 4 sides			✓	✓	✓	✓
less than 5 vertices	✓	✓				
no perpendicular sides		✓		✓	✓	✓

Challenge

- A polygon with parallel sides **sometimes** has perpendicular sides. (For example rectangles have both parallel and perpendicular sides but the regular hexagon drawn on the grid has parallel sides but no perpendicular ones).
- Children's drawings will vary but a shape with 3 sets of parallel sides will be a regular hexagon.