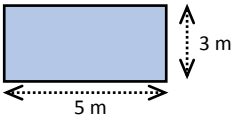
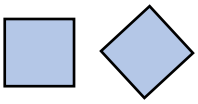
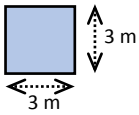
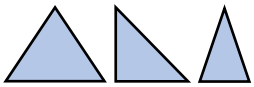
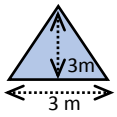
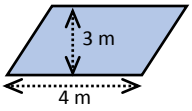
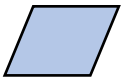
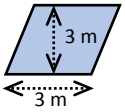
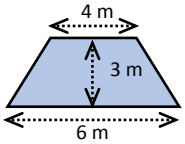
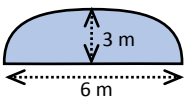
TIPSHEET: CALCULATING FLOOR AREAS

Shapes	Formulas for Calculating Area
Rectangle 	Area = width x length Note: Most floor spaces can be broken down into rectangles  Area: 5 x 3 = 15 m²
Squares 	Area = width x length  Area: 3 x 3 = 9 m²
Triangles 	Area = (width x perpendicular length) ÷ 2  Area: 3 x 3 = 9 ÷ 2 = 4.5 m²
Parallelogram 	Area = width x perpendicular length  Area: 3 x 4 = 12 m²
Rhombus 	Area = width x perpendicular length  Area: 3 x 3 = 9 m²
Trapezoid 	Area = (sum of parallel sides ÷ 2) x perpendicular length Note: Use this formula to calculate the floor area of a bay  Area: (4 + 6) ÷ 2 x 3 = 15 m²
Half Elliptical 	Area (half elliptical) = (width x depth ÷ 2) x 3.14 ÷ 2 Note: Use this formula to calculate the floor area of a bow  Area: (6 x 3 ÷ 2) x 3.14 ÷ 2 = 14.13 m²

Note: Assume all shapes are lying flat on the ground.