

Solutions for GeoWorkSheet No. 56

Solutions sheet No. 56		Mixed Angle Sums 5
	Answer	Reason
1	$a = 165$	Angle sum of a quadrilateral (360°)
2	$b = 65$	Angle sum of an isosceles triangle
3	$c = 70$	Cointerior angles in parallel lines are supplementary (add to 180°)
4	$d = 152$	An angle of revolution is 360°
5	$e = 125$	Exterior angle of a triangle equals the sum of the remote interior angles
6	$f = 561$	Angle sum of a triangle (180°)
7	$g = 110$	Opposite angle of a parallelogram are equal
8	$h = 112$	Alternate angles in parallel lines are equal
9	$j = 72$	Straight angles are supplementary (180°)
10	$k = 41$	Straight angles are supplementary (180°)
11	$m = 31$	Straight angles are supplementary (180°)
12	$n = 106$	Exterior angle of a triangle equals the sum of the remote interior angles
13	$p = 44$	Alternate angles in parallel lines are equal
14	$q = 52$	Vertically opposite angles are equal
15	$r = 76$	Cointerior angles in parallel lines are supplementary (add to 180°)
16	$s = 108$	Exterior angle of an isosceles triangle equals the sum of the remote interior angles
17	$t = 113$	Corresponding angles in parallel lines are equal
18	$u = 50$	Angle sum of a triangle (180°)
19	$v = 160$	An angle in an equilateral triangle (all equal 60°)
20	$w = 84$	Angle sum of a quadrilateral (360°)