Solutions sheet No. 49	Mixed Angle Sums 2	
	Answer	**Reason**
1	$a = 145$	Vertically opposite angles are equal.
2	$b = 60$	Angle sum of a triangle (180°)
3	$c = 96$	Straight angles are supplementary (180°)
4	$d = 130$	An angle of revolution is 360°
5	$e = 56$	Angle sum of a triangle (180°)
6	$f = 87$	Straight angles are supplementary (180°)
7	$g = 125$	Vertically opposite angles are equal.
8	$h = 70$	An angle of revolution is 360°
9	$j = 60$	Angle sum of a triangle (180°)
10	$k = 24$	Angle sum of a triangle (180°)
11	$m = 89$	An angle of revolution is 360°
12	$n = 30$	Angle sum of a triangle (180°)
13	$p = 119$	Angle sum of a triangle (180°)
14	$q = 25$	Vertically opposite angles are equal (including a right angle)
15	$r = 29$	Straight angles are supplementary (180°) (including a right angle)
16	$s = 56$	Angle sum of a triangle (180°)
17	$t = 90$	Vertically opposite angles are equal.
18	$u = 54$	Straight angles are supplementary (180°)
19	$v = 123$	An angle of revolution is 360°
20	$w = 63$	Angle sum of a triangle (180°)