Solutions sheet No. 52		Mixed Angle Sums 3
	Answer	**Reason**
1	$a = 53$	Corresponding angles in parallel lines are equal
2	$b = 63$	Straight angles are supplementary (180°)
3	$c = 69$	Angle sum of a triangle (180°)
4	$d = 70$	Cointerior angles in parallel lines are supplementary (add to 180°)
5	$e = 149$	An angle of revolution is 360°
6	$f = 98$	An angle of revolution is 360°
7	$g = 180$	Alternate angles in parallel lines are equal
8	$h = 90$	Cointerior angles in parallel lines are supplementary (add to 180°)
9	$j = 95$	Vertically opposite angles are equal
10	$k = 72$	Cointerior angles in parallel lines are supplementary (add to 180°)
11	$m = 102$	Straight angles are supplementary (180°)
12	$n = 42$	Angle sum of a triangle (180°)
13	$p = 101$	Alternate angles in parallel lines are equal
14	$q = 38$	Straight angles are supplementary (180°)
15	$r = 105$	Corresponding angles in parallel lines are equal
16	$s = 103$	Corresponding angles in parallel lines are equal
17	$t = 75$	An angle of revolution is 360°
18	$u = 43$	Alternate angles in parallel lines are equal
19	$v = 69$	Cointerior angles in parallel lines are supplementary (add to 180°)
20	$w = 27$	Angle sum of a triangle (180°)