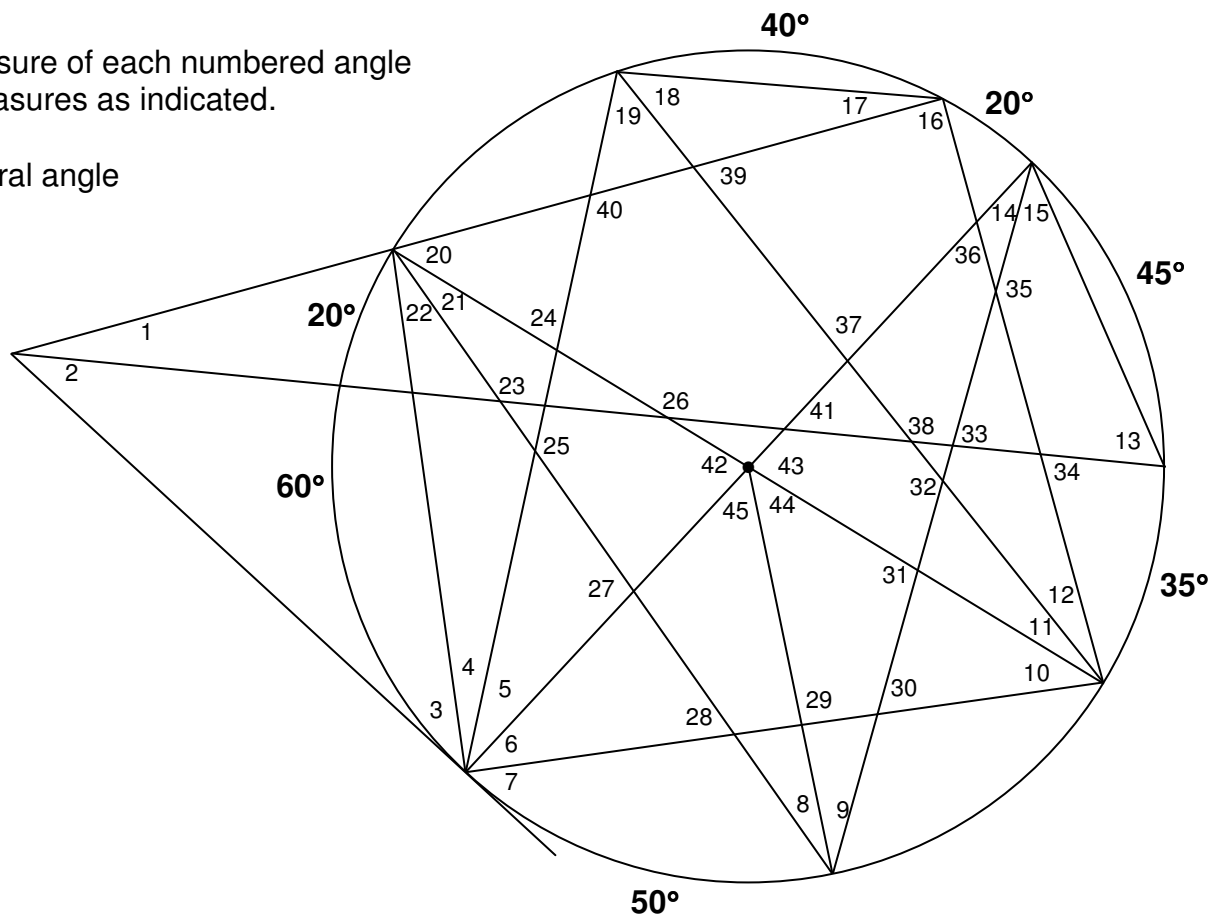


Find the measure of each numbered angle
given arc measures as indicated.

$\angle 42$ is a central angle



- | | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| $m\angle 1$ _____ | $m\angle 2$ _____ | $m\angle 3$ _____ | $m\angle 4$ _____ | $m\angle 5$ _____ |
| $m\angle 6$ _____ | $m\angle 7$ _____ | $m\angle 8$ _____ | $m\angle 9$ _____ | $m\angle 10$ _____ |
| $m\angle 11$ _____ | $m\angle 12$ _____ | $m\angle 13$ _____ | $m\angle 14$ _____ | $m\angle 15$ _____ |
| $m\angle 16$ _____ | $m\angle 17$ _____ | $m\angle 18$ _____ | $m\angle 19$ _____ | $m\angle 20$ _____ |
| $m\angle 21$ _____ | $m\angle 22$ _____ | $m\angle 23$ _____ | $m\angle 24$ _____ | $m\angle 25$ _____ |
| $m\angle 26$ _____ | $m\angle 27$ _____ | $m\angle 28$ _____ | $m\angle 29$ _____ | $m\angle 30$ _____ |
| $m\angle 31$ _____ | $m\angle 32$ _____ | $m\angle 33$ _____ | $m\angle 34$ _____ | $m\angle 35$ _____ |
| $m\angle 36$ _____ | $m\angle 37$ _____ | $m\angle 38$ _____ | $m\angle 39$ _____ | $m\angle 40$ _____ |
| $m\angle 41$ _____ | $m\angle 42$ _____ | $m\angle 43$ _____ | $m\angle 44$ _____ | $m\angle 45$ _____ |

Answers

$m\angle 1 = 22\frac{1}{2}^\circ$	$m\angle 2 = 37\frac{1}{2}^\circ$	$m\angle 3 = 40^\circ$	$m\angle 4 = 20^\circ$	$m\angle 5 = 30^\circ$
$m\angle 6 = 40^\circ$	$m\angle 7 = 50^\circ$	$m\angle 8 = 25^\circ$	$m\angle 9 = 25^\circ$	$m\angle 10 = 40^\circ$
$m\angle 11 = 20^\circ$	$m\angle 12 = 20^\circ$	$m\angle 13 = 60^\circ$	$m\angle 14 = 25^\circ$	$m\angle 15 = 42\frac{1}{2}^\circ$
$m\angle 16 = 90^\circ$	$m\angle 17 = 20^\circ$	$m\angle 18 = 50^\circ$	$m\angle 19 = 50^\circ$	$m\angle 20 = 50^\circ$
$m\angle 21 = 25^\circ$	$m\angle 22 = 25^\circ$	$m\angle 23 = 127\frac{1}{2}^\circ$	$m\angle 24 = 70^\circ$	$m\angle 25 = 135^\circ$
$m\angle 26 = 152\frac{1}{2}^\circ$	$m\angle 27 = 105^\circ$	$m\angle 28 = 65^\circ$	$m\angle 29 = 90^\circ$	$m\angle 30 = 65^\circ$
$m\angle 31 = 105^\circ$	$m\angle 32 = 125^\circ$	$m\angle 33 = 77\frac{1}{2}^\circ$	$m\angle 34 = 67\frac{1}{2}^\circ$	$m\angle 35 = 145^\circ$
$m\angle 36 = 60^\circ$	$m\angle 37 = 80^\circ$	$m\angle 38 = 132\frac{1}{2}^\circ$	$m\angle 39 = 70^\circ$	$m\angle 40 = 120^\circ$
$m\angle 41 = 52\frac{1}{2}^\circ$	$m\angle 42 = 80^\circ$	$m\angle 43 = 80^\circ$	$m\angle 44 = 50^\circ$	$m\angle 45 = 50^\circ$