



Math worksheet on 'Angles - Estimating (degrees) With Reference (Level 3)'. Part of a broader unit on 'Geometry - Angle Basics'

Learn online: [app.mobius.academy/math/units/geometry\\_angle\\_basics/](http://app.mobius.academy/math/units/geometry_angle_basics/)

**1** If the first angle is  $120^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$155^\circ$	$55^\circ$	$195^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$45^\circ$	$225^\circ$	$105^\circ$

**2** If the first angle is  $165^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$70^\circ$	$220^\circ$	$150^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$10^\circ$	$210^\circ$	$30^\circ$

**3** If the first angle is  $45^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$30^\circ$	$190^\circ$	$90^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$200^\circ$	$170^\circ$	$150^\circ$

**4** If the first angle is  $30^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$85^\circ$	$115^\circ$	$15^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$65^\circ$	$95^\circ$	$165^\circ$

**5** If the first angle is  $60^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$45^\circ$	$155^\circ$	$145^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$185^\circ$	$205^\circ$	$175^\circ$

**6** If the first angle is  $15^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$140^\circ$	$90^\circ$	$170^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$180^\circ$	$100^\circ$	$30^\circ$

**7** If the first angle is  $30^\circ$ , what is a good estimate for the second angle?

<b>a</b>	<b>b</b>	<b>c</b>
$175^\circ$	$125^\circ$	$15^\circ$
<b>d</b>	<b>e</b>	<b>f</b>
$155^\circ$	$185^\circ$	$85^\circ$