

Year 6 Homework Answers

**Module 15: Finding unknown angles**

1.

$68^\circ$	$22^\circ$	$47^\circ$	$8^\circ$
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2.

$128^\circ$	$27^\circ$	$42^\circ$	$40^\circ$
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3.

$103^\circ$	$88^\circ$	$99^\circ$	$111^\circ$
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4.

$54^\circ$	$60^\circ$	$13^\circ$	$60^\circ$
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5.

$80^\circ$	$156^\circ$	$134^\circ$	$222^\circ$
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6.

a)  $\angle CHF$

b)  $\angle GHD$

c)  $\angle CHG$

d)  $\angle EGB$

e)  $\angle DHF$

f)  $\angle CHG$

g)  $\angle GHD$

h)  $\angle AGE$

i)  $\angle AGE$

j)  $\angle BGH$

k)  $\angle AGH$

h)  $\angle DHF$

7.

117° Alternate angle	125° Corresponding angle	121° Corresponding angle
46° Co-interior angle	107° Corresponding angle	83° alternate angle
118° Co-interior angle	111° Corresponding angle	18° Co-interior angle

8.

w = 108° x = 72° y = 108° z = 72°	w = 48° x = 132° y = 48° z = 132°	w = 68° x = 68° y = 112° z = 112°
v = 142° w = 38° x = 38° y = 142° z = 38°	w = 117° x = 117° y = 63° z = 63°	w = 86° x = 94° y = 94° z = 86°

9.

130°	56°	38°
72°	24°	73°
26°	143°	118°

10.

$60^\circ$	$41^\circ$
$98^\circ$	$145^\circ$
$85^\circ$	$69^\circ$

11.

$67^\circ$	$82^\circ$
$61.5^\circ$	$60^\circ$

12.

N/A

13.

$73^\circ$	$55^\circ$	$93^\circ$
$80^\circ$	$35^\circ$	$27^\circ$

14.

$80^\circ$	$116^\circ$
$63^\circ$	$109^\circ$
$22^\circ$	$80^\circ$
$265^\circ$	$78^\circ$