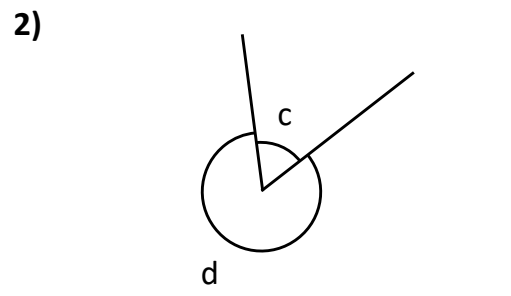


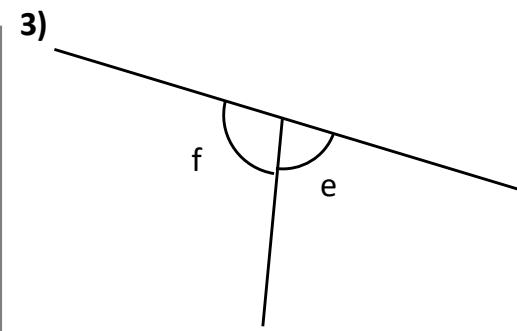
Angles a & b are in the ratio 1:2

$a = \underline{\hspace{2cm}}^\circ$ $b = \underline{\hspace{2cm}}^\circ$



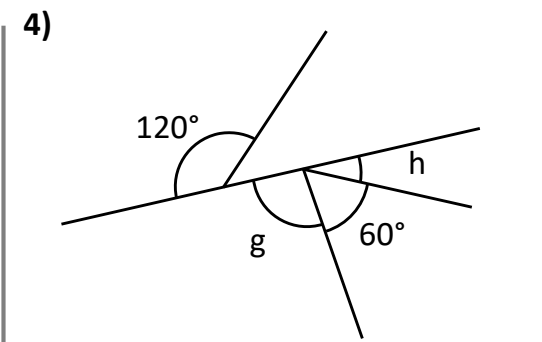
Angles c & d are in the ratio 1:5

$c = \underline{\hspace{2cm}}^\circ$ $d = \underline{\hspace{2cm}}^\circ$



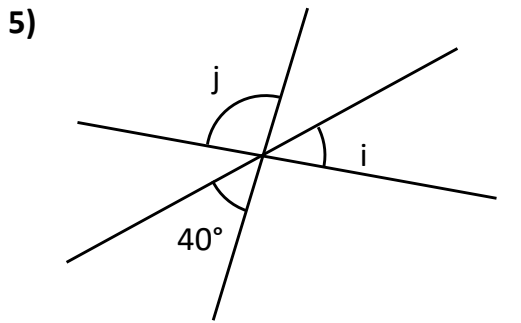
Angles e & f are in the ratio 4:5

$e = \underline{\hspace{2cm}}^\circ$ $f = \underline{\hspace{2cm}}^\circ$



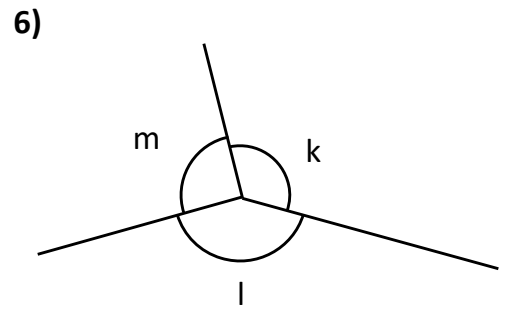
Angles g & h are in the ratio 3:1

$g = \underline{\hspace{2cm}}^\circ$ $h = \underline{\hspace{2cm}}^\circ$



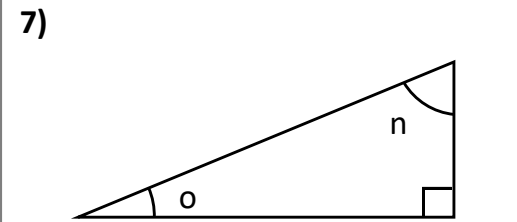
Angles i & j are in the ratio 2:5

$i = \underline{\hspace{2cm}}^\circ$ $j = \underline{\hspace{2cm}}^\circ$



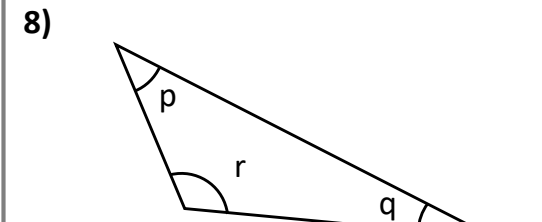
Angles k, l & m are in the ratio 4:5:3

$k = \underline{\hspace{2cm}}^\circ$ $l = \underline{\hspace{2cm}}^\circ$
 $m = \underline{\hspace{2cm}}^\circ$



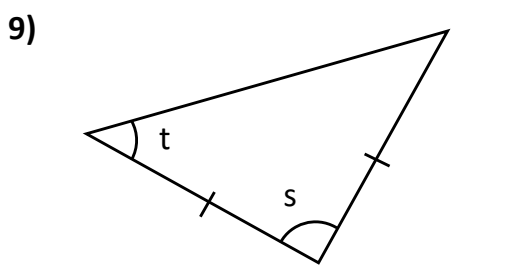
Angle n is 5 times the size of angle o.

$n = \underline{\hspace{2cm}}^\circ$ $o = \underline{\hspace{2cm}}^\circ$



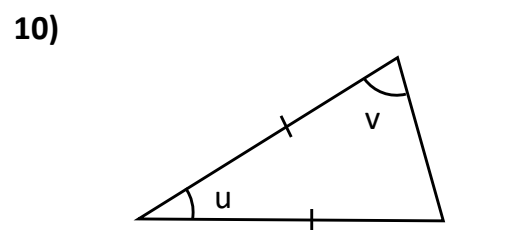
Angle p is 2 times larger than angle q.
 Angle r is 3 times larger than angle p.

$p = \underline{\hspace{2cm}}^\circ$ $q = \underline{\hspace{2cm}}^\circ$
 $r = \underline{\hspace{2cm}}^\circ$



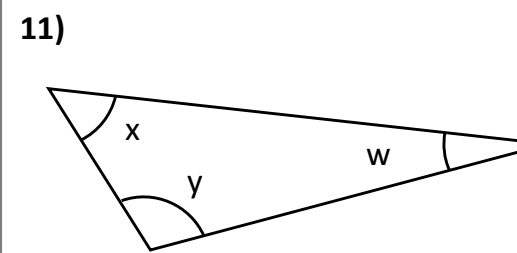
Angles s & t are in the ratio 2:1

$s = \underline{\hspace{2cm}}^\circ$ $t = \underline{\hspace{2cm}}^\circ$



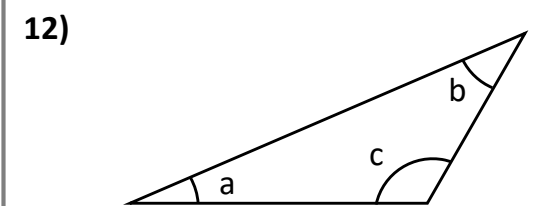
Angles u & v are in the ratio 2:5

$u = \underline{\hspace{2cm}}^\circ$ $v = \underline{\hspace{2cm}}^\circ$



Angle w is 6 times smaller than angle y.
 Angles x & y are in the ratio 1:2

$w = \underline{\hspace{2cm}}^\circ$ $x = \underline{\hspace{2cm}}^\circ$
 $y = \underline{\hspace{2cm}}^\circ$

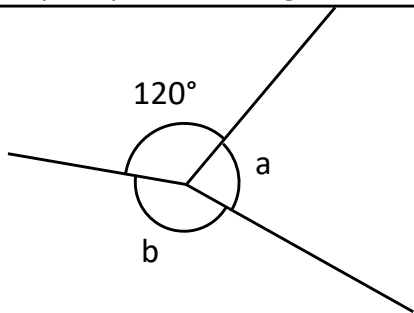


Angles a & b are in the ratio 2:3
 Angles c & a are in the ratio 5:1

$a = \underline{\hspace{2cm}}^\circ$ $b = \underline{\hspace{2cm}}^\circ$
 $c = \underline{\hspace{2cm}}^\circ$

Tip! Express the angles as a ratio.

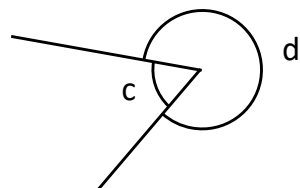
1)



Angle a is half the size of angle b.

$a = \underline{\hspace{2cm}}^\circ$ $b = \underline{\hspace{2cm}}^\circ$

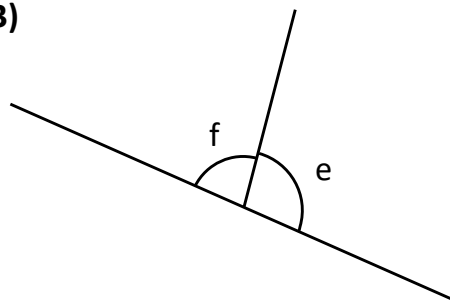
2)



Angle c is $\frac{1}{5}$ the size of angle d.

$c = \underline{\hspace{2cm}}^\circ$ $d = \underline{\hspace{2cm}}^\circ$

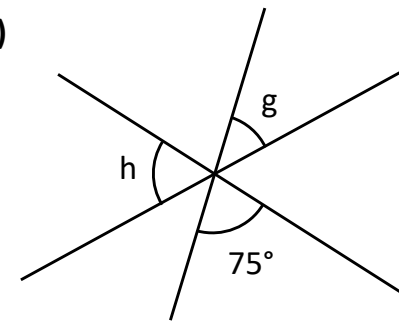
3)



Angle f is $\frac{4}{5}$ the size of angle e.

$e = \underline{\hspace{2cm}}^\circ$ $f = \underline{\hspace{2cm}}^\circ$

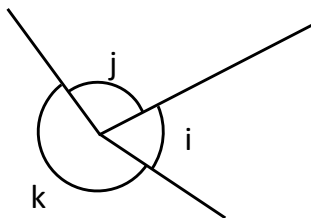
4)



Angle g is $\frac{3}{4}$ the size of angle h.

$g = \underline{\hspace{2cm}}^\circ$ $h = \underline{\hspace{2cm}}^\circ$

5)



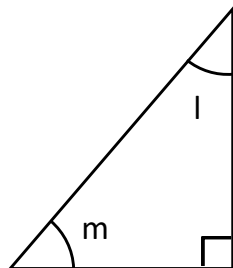
Angle i is $\frac{3}{5}$ the size of angle j.

Angle k is double the size of angle j.

$i = \underline{\hspace{2cm}}^\circ$ $j = \underline{\hspace{2cm}}^\circ$

$k = \underline{\hspace{2cm}}^\circ$

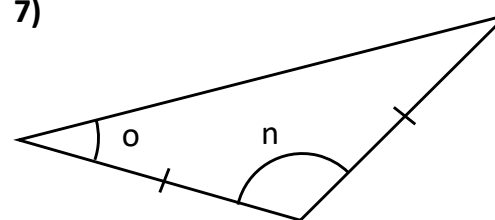
6)



Angle m is $\frac{1}{4}$ larger than angle l.

$l = \underline{\hspace{2cm}}^\circ$ $m = \underline{\hspace{2cm}}^\circ$

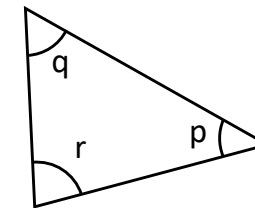
7)



Angle o is $\frac{1}{4}$ the size of angle n.

$n = \underline{\hspace{2cm}}^\circ$ $o = \underline{\hspace{2cm}}^\circ$

8)



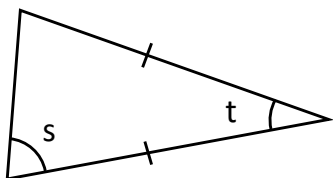
Angle q is $\frac{1}{3}$ larger than angle p.

Angle r is $\frac{1}{4}$ larger than angle q.

$p = \underline{\hspace{2cm}}^\circ$ $q = \underline{\hspace{2cm}}^\circ$

$r = \underline{\hspace{2cm}}^\circ$

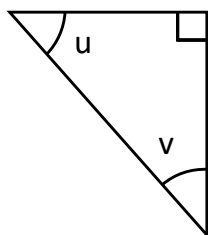
9)



Angle t is $\frac{2}{5}$ the size of angle s.

$s = \underline{\hspace{2cm}}^\circ$ $t = \underline{\hspace{2cm}}^\circ$

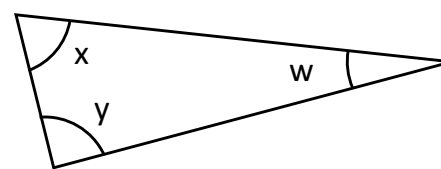
10)



Angle v is $\frac{7}{8}$ the size of angle u.

$u = \underline{\hspace{2cm}}^\circ$ $v = \underline{\hspace{2cm}}^\circ$

11)



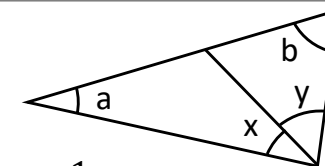
Angle w is $\frac{2}{5}$ the size of angle y.

Angle y is $\frac{2}{3}$ larger than angle x.

$w = \underline{\hspace{2cm}}^\circ$ $x = \underline{\hspace{2cm}}^\circ$

$y = \underline{\hspace{2cm}}^\circ$

12)



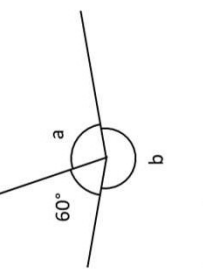
Angle x is $\frac{1}{2}$ larger than angle a.

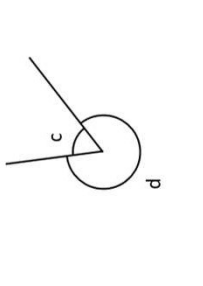
Angle y is $\frac{1}{2}$ smaller than angle x.

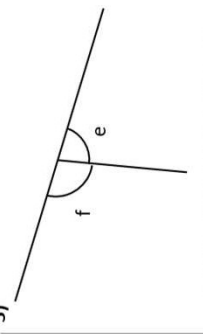
Angle b is $2\frac{1}{3}$ larger than angle y.

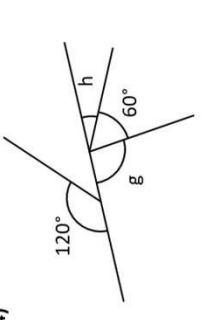
$a = \underline{\hspace{2cm}}^\circ$ $b = \underline{\hspace{2cm}}^\circ$

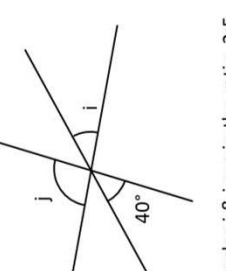
$x = \underline{\hspace{2cm}}^\circ$ $y = \underline{\hspace{2cm}}^\circ$

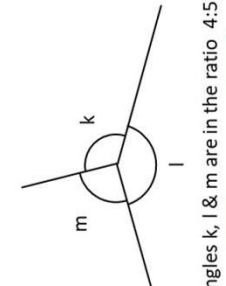
1)  Angles a & b are in the ratio 1:2
a = 100 ° b = 200 °

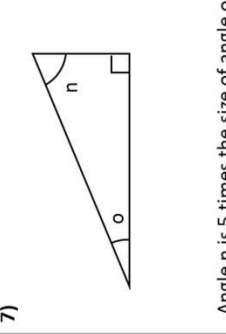
2)  Angles c & d are in the ratio 1:5
c = 60 ° d = 300 °

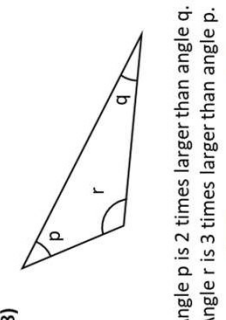
3)  Angles e & f are in the ratio 4:5
e = 80 ° f = 100 °

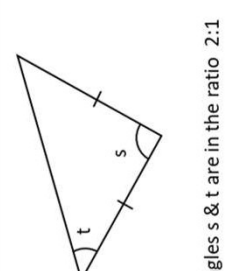
4)  Angles g & h are in the ratio 3:1
g = 90 ° h = 30 °

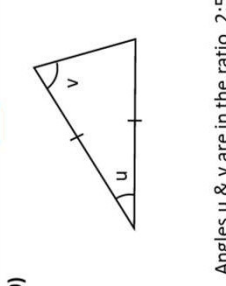
5)  Angles i & j are in the ratio 2:5
i = 40 ° j = 100 °

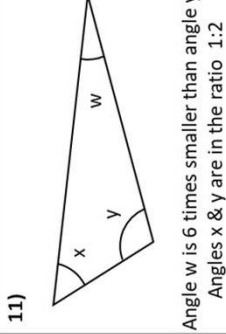
6)  Angles k, l & m are in the ratio 4:5:3
k = 120 ° l = 150 ° m = 90 °

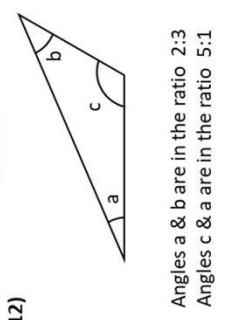
7)  Angle n is 5 times the size of angle o.
n = 75 ° o = 15 °

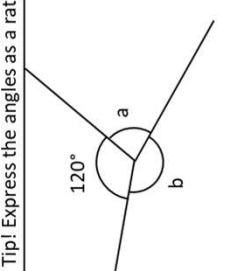
8)  Angle p is 2 times larger than angle q.
Angle r is 3 times larger than angle p.
p = 40 ° q = 20 ° r = 120 °

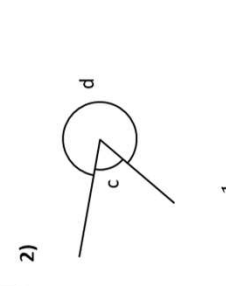
9)  Angles s & t are in the ratio 2:1
s = 90 ° t = 45 °

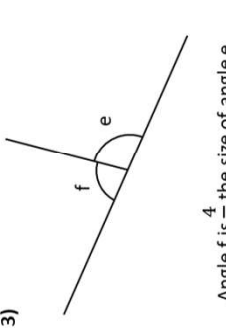
10)  Angles u & v are in the ratio 2:5
u = 30 ° v = 75 °

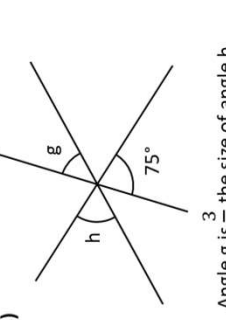
11)  Angle w is 6 times smaller than angle y.
Angles x & y are in the ratio 1:2
w = 18 ° x = 54 ° y = 108 °

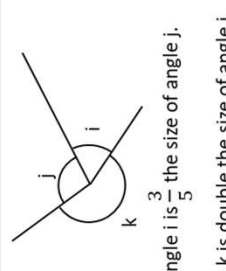
12)  Angles a & b are in the ratio 2:3
Angles c & a are in the ratio 5:1
a = 24 ° b = 36 ° c = 120 °

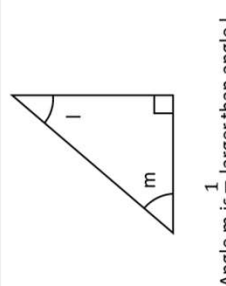
1)  Tip! Express the angles as a ratio.
Angle a is half the size of angle b.
a = 80 ° b = 160 °

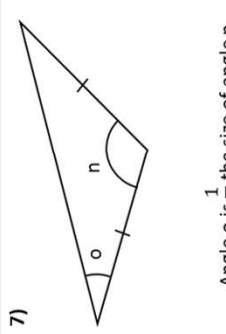
2)  Angle c is $\frac{1}{5}$ the size of angle d.
c = 60 ° d = 300 °

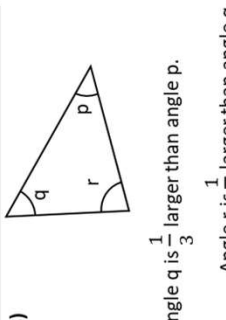
3)  Angle f is $\frac{4}{5}$ the size of angle e.
e = 100 ° f = 80 °

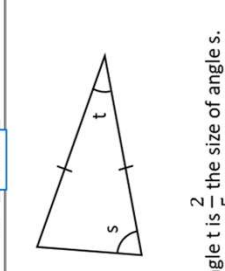
4)  Angle g is $\frac{3}{4}$ the size of angle h.
g = 45 ° h = 60 °

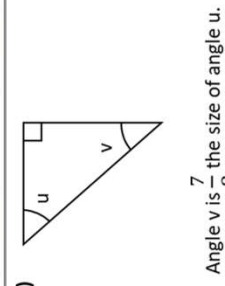
5)  Angle i is $\frac{3}{5}$ the size of angle j.
Angle k is double the size of angle j.
i = 60 ° j = 100 ° k = 200 °

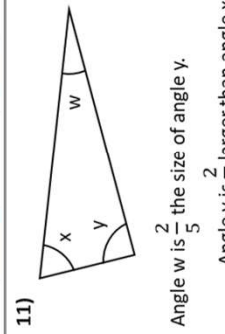
6)  Angle m is $\frac{1}{4}$ larger than angle l.
l = 40 ° m = 50 °

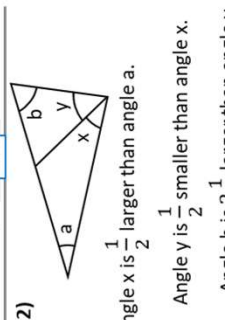
7)  Angle o is $\frac{1}{4}$ the size of angle n.
n = 120 ° o = 30 °

8)  Angle q is $\frac{1}{3}$ larger than angle p.
Angle r is $\frac{1}{4}$ larger than angle q.
p = 45 ° q = 60 ° r = 75 °

9)  Angle t is $\frac{2}{5}$ the size of angle s.
s = 75 ° t = 30 °

10)  Angle v is $\frac{7}{8}$ the size of angle u.
u = 48 ° v = 42 °

11)  Angle w is $\frac{2}{5}$ the size of angle y.
Angle y is $\frac{2}{3}$ larger than angle x.
w = 36 ° x = 54 ° y = 90 °

12)  Angle x is $\frac{1}{2}$ larger than angle a.
Angle y is $\frac{1}{2}$ smaller than angle x.
Angle b is $2\frac{1}{3}$ larger than angle y.
a = 36 ° b = 63 ° x = 54 ° y = 27 °