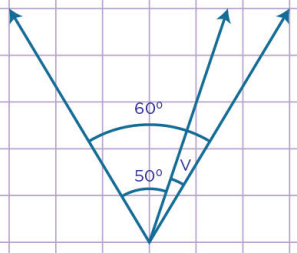
Name: ..... Class: .....

Adjecent angles

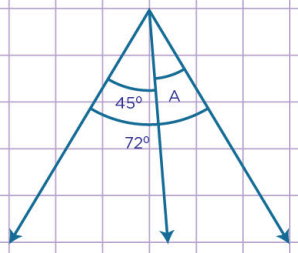
Note: Two angles are adjecent when they have a common side and a common corner point and don't overlap.
Formular: Total measure = sum of adjecent angles.

Find the unknown values in the adjecent angles below.

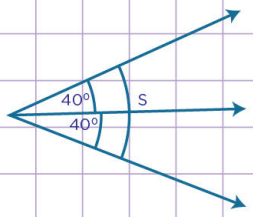
a.



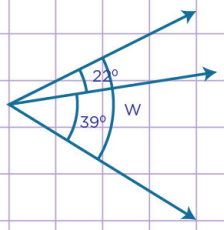
c.



b.



d.



Solution

mathskills4kids

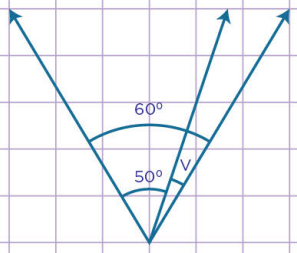
Name: ..... Class: .....

Adjecent angles

Note: Two angles are adjecent when they have a common side and a common corner point and don't overlap.
Formular: Total measure = sum of adjecent angles.

Find the unknown values in the adjecent angles below.

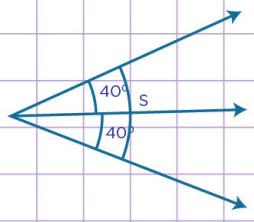
a.



Let's use the formular.
Total measure = 60^0
Sum of adjucent angles = $50^0 + V$
So, total measure = sum of adjucent angles
$60^0 = 500 + V$
$60^0 - 50^0 = 50^0 + V - 50^0$
$10^0 = V$

So, V = 10^0

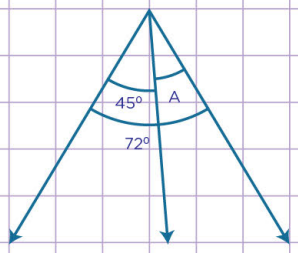
b.



Let's use the formular.
Total measure = S
Sum of adjecent angles = $40^0 + 40^0$
So, total measure = sum of adjecent angles
$S = 40^0 + 40^0$

S = 80^0

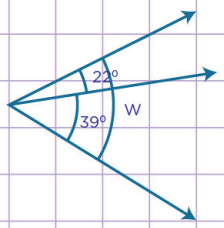
c.



Let's use the formular
Total measure = 72^0
Sum of adjucent angles = $45^0 + A$
$72^0 = 45^0 + A$
$72^0 - 45^0 = 45^0 + A - 45^0$
$27^0 = A$

So, A = 27^0

d.



Let's use the formular
Total measure = W
Sum of adjecent angles = $39^0 + 22^0$
So, total measure = sum of adjecent angles
$W = 39^0 + 22^0$

W = 60^0