

|   |                   |   |                   |   |                   |
|---|-------------------|---|-------------------|---|-------------------|
| 1 | $4.8 + 5.67 =$    | 2 | $24.6 - 23.07 =$  | 3 | $41.9 + 7.936 =$  |
| 4 | $9.366 - 2.18 =$  | 5 | $9.8 + 7.83 =$    | 6 | $34.565 - 28.9 =$ |
| 7 | $35.48 - 6.765 =$ | 8 | $24.98 - 23.99 =$ | 9 | $84.543 - 6.12 =$ |

Notice the difference in digits

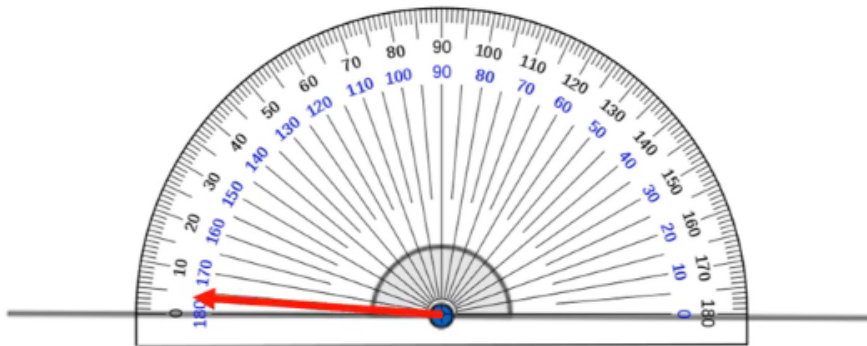
Use your column accurately

|   |        |   |       |   |        |
|---|--------|---|-------|---|--------|
| 1 | 10.47  | 2 | 1.53  | 3 | 49.836 |
| 4 | 7.186  | 5 | 17.63 | 6 | 5.665  |
| 7 | 28.715 | 8 | 0.99  | 9 | 78.423 |

LO: to calculate missing angles. (Straight line)

I  
do

we  
do



How many degrees are in a  
straight angle?

1 min

we  
do

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 180$$

How many ways?

Can you do it systematically?

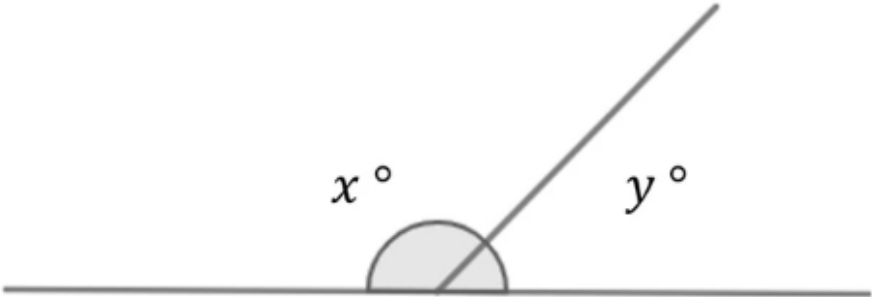
**1 min**we  
do

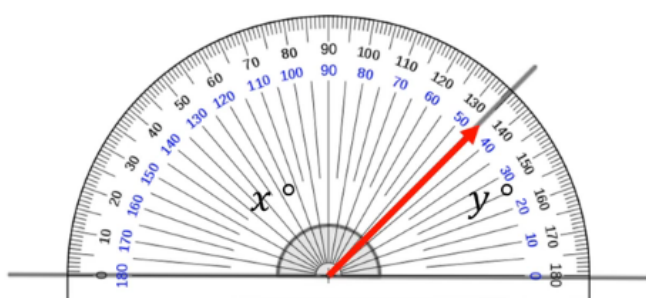
$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 180$$

How many ways?

Can you do it systematically?

I  
do



I  
do

$$x^\circ = 135^\circ$$

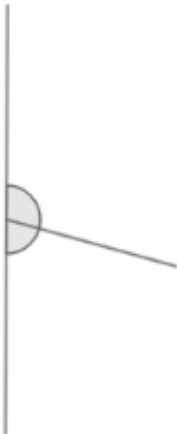
**Adjacent** angles on a straight line  
sum to  $180^\circ$

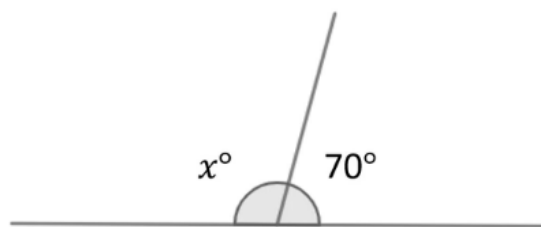
y=

Angles that share a **common** line  
and **common** vertex

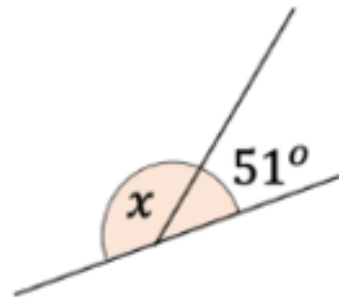
Are the angles adjacent on a straight line?

we  
do

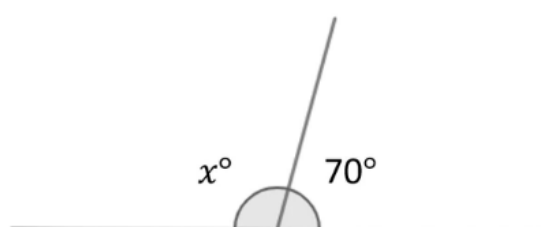


**I  
do**

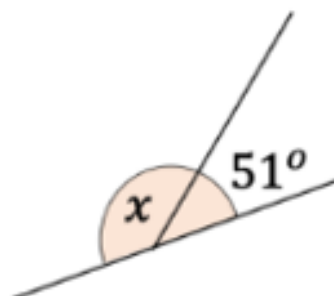
What is the value of  $x$ ?



$x = \dots \dots$

**I  
do**

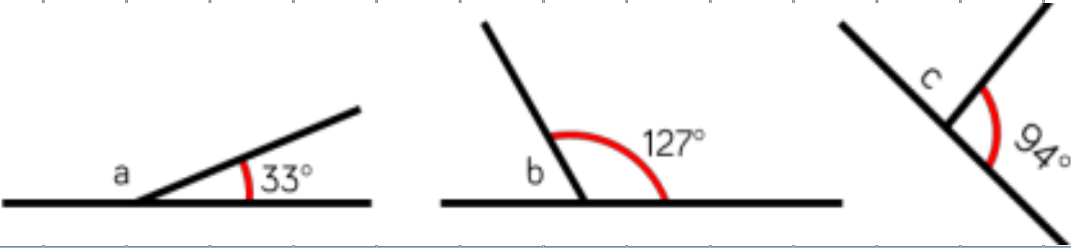
What is the value of  $x$ ?



$x = \dots \dots$

3 min

we  
do



you  
do

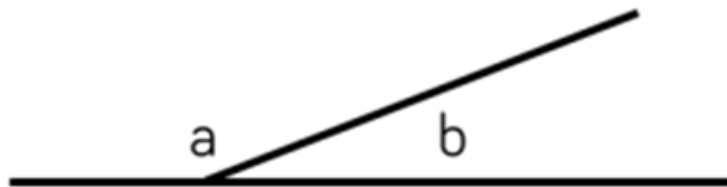
Calculate the missing angles.

25 mins

LO: to calculate missing angles. (Straight line)

we  
do

Here are two angles.



Discuss

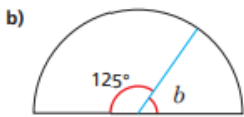
Angle b is a prime number between 40 and 50

Use the clue to calculate what the missing angles could be.

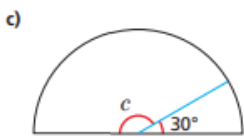
Answers



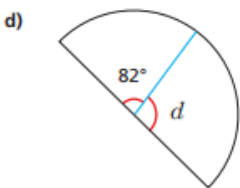
$a = \boxed{100}^\circ$



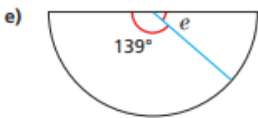
$b = \boxed{55}^\circ$



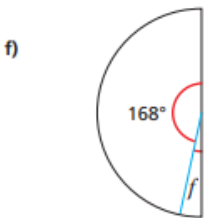
$c = \boxed{150}^\circ$



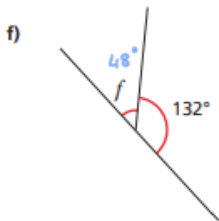
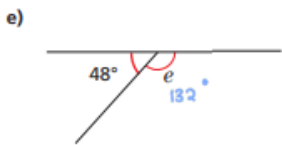
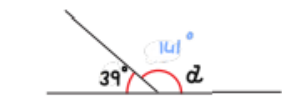
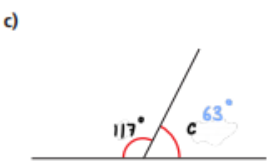
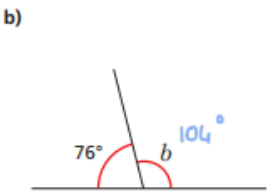
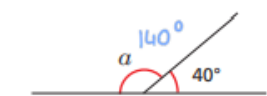
$d = \boxed{98}^\circ$



$e = \boxed{41}^\circ$

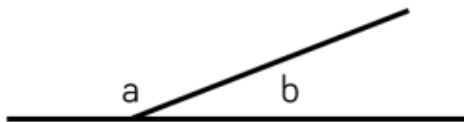


$f = \boxed{12}^\circ$



## Answers

Here are two angles.



Angle  $b$  is a prime number between 40 and 50

Use the clue to calculate what the missing angles could be.

$$b = 41^\circ, a = 139^\circ$$

$$b = 43^\circ, a = 137^\circ$$

$$b = 47^\circ, a = 133^\circ$$



Attachments

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Factor Bugs.pptx