

Introduction

Circle 5 pairs of numbers that total 180.

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Varied Fluency 1

Match the facts.

Degrees on 2
straight lines

270

Degrees in 3
right angles

180

Degrees in 2
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360

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Varied Fluency 2

We know:

Angles on a straight line always add up to 180°

**To find out the missing angle
we need to subtract from 180°**

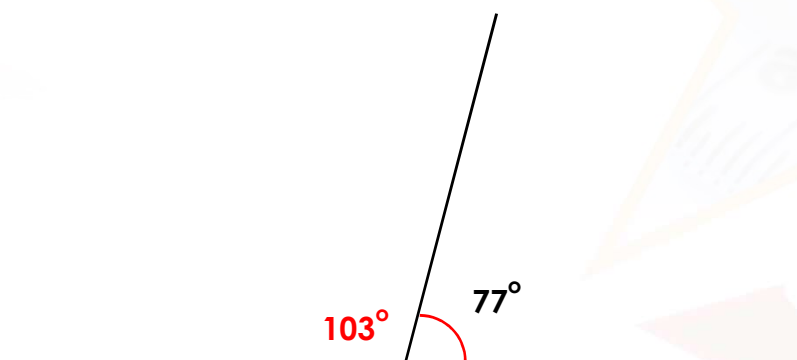
180° minus $77^\circ = x$ (our missing angle)



Check $77 + x = 180$

Varied Fluency 3

Calculate the missing angle.

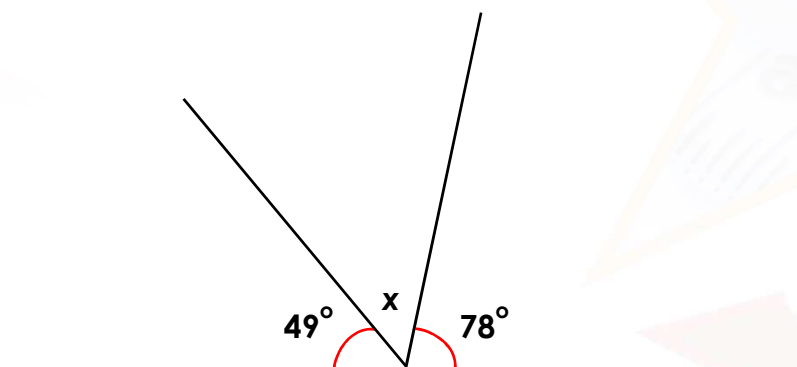


Angles not drawn to scale.

$$180^\circ - 77^\circ = 103^\circ$$

Varied Fluency 4

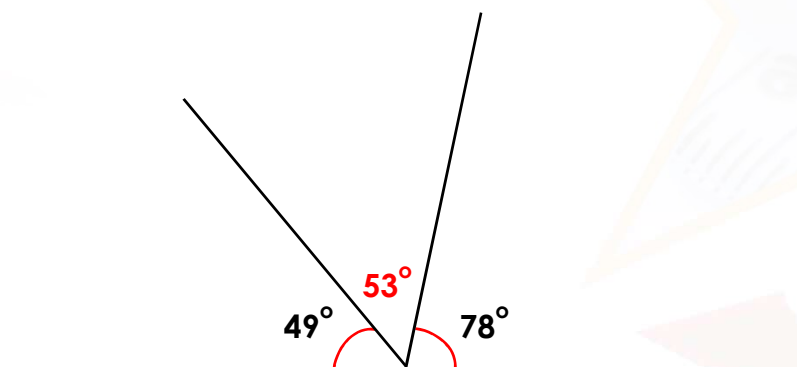
Work out the missing angle from the two angles given.



Angles not drawn to scale.

Varied Fluency 4

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Angles not drawn to scale.

$$180^\circ - 49^\circ = 131^\circ$$
$$131^\circ - 78^\circ = \underline{53^\circ}$$

Reasoning 1

Rhys is measuring angles on a straight line.
He says:



There are three angles on the line. One is 100° , one is 15° and the other is 55° .

Could he be right? Explain how you know.

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Could he be right? Explain how you know.

Rhys cannot be right because his angles total 170° .