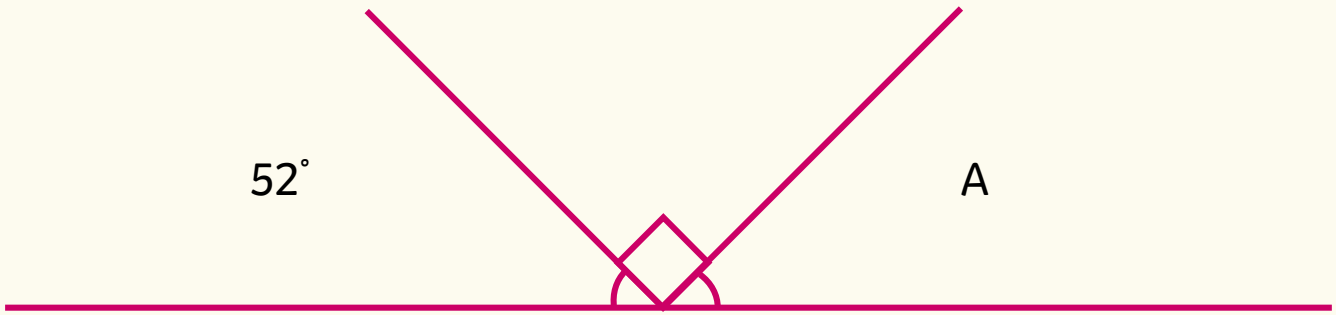
Maths Mastery

Identify Angles

Angles on a Straight Line

Discuss this explanation for calculating the angle A:

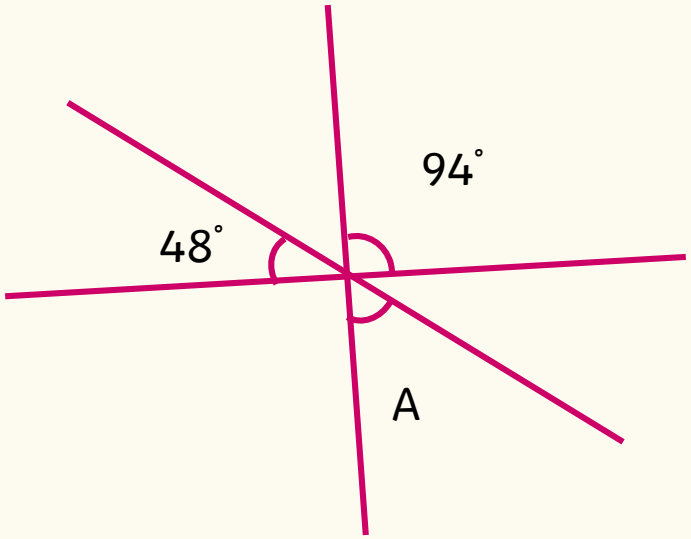


The angles in a straight line add up to 180°.
Two angles are given: 52° and 90° (a right angle).
The difference needed is between 180 ° and 52° + 90°.
The answer is 180° – 142° = 38°.

Hide Answers

Angles at a Point

Explain how to calculate the angle marked A:



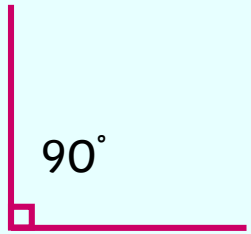
Compare your explanation with a partner.

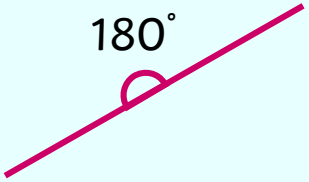
All the angles add up to 360°. The opposite angles are identical, so the two given angles and A add up to 180°. 48° + 94° + 38° = 180°

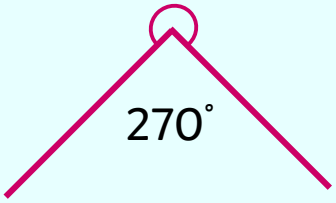
Hide Answers

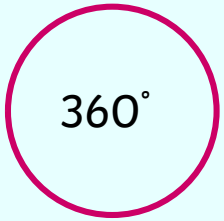
Multiples of 90°

Draw and explain the angles which are multiples of 90°.



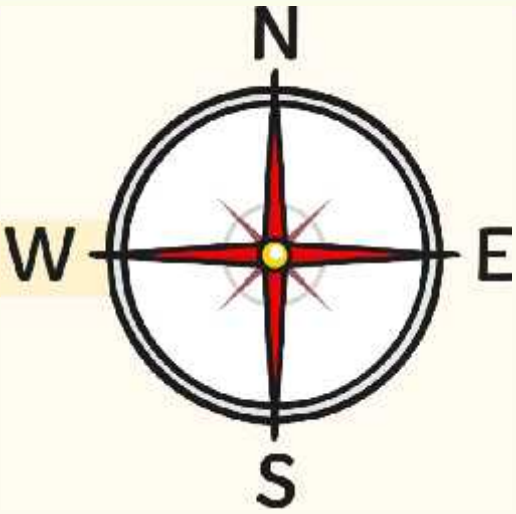






Hide Answers

Compass



Which direction will you be facing when:

You are facing north and turn 270^0 clockwise?	West
You are facing east and turn 180^0?	West
You are facing west and turn 90^0 anti-clockwise?	South
You are facing south and turn 270^0 anti-clockwise?	West
You are facing north east and turn 90^0 clockwise?	South East

Hide Answers