

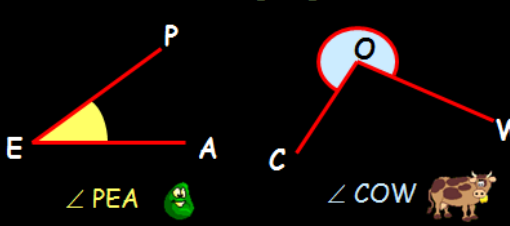
# Naming angles, calculating missing angles & angles in a triangle



## Outcome 1 - Naming angles

Examples...

Name the following angles...

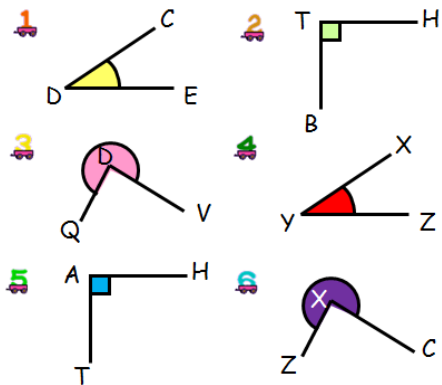


$\angle PEA$  or  $\angle AEP$

$\angle COW$  or  $\angle WOC$

## Questions...

Name the following angles...

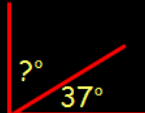


## Outcome 2 - Calculating missing angles

Examples...

Calculate the missing angles...

**\*\*90° in a right angle!\*\***



$?^\circ$   $37^\circ$

$? = 90 - 37$   
 $= 53^\circ$

**\*\*180° in a straight line!\*\***

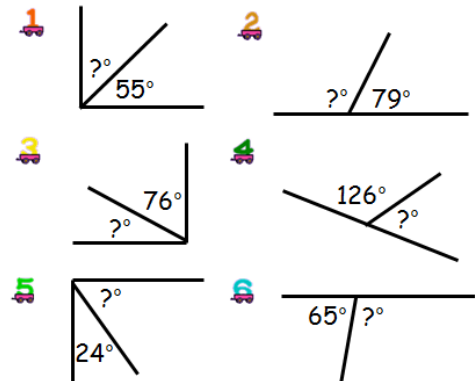


$?^\circ$   $74^\circ$

$? = 180 - 74$   
 $= 106^\circ$

## Questions...

Calculate the following missing angles...

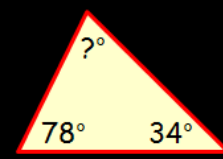


## Outcome 3 - Angles in a triangle

Examples...

Calculate the missing angle in the triangle below...

**\*\*180° in a triangle!\*\***

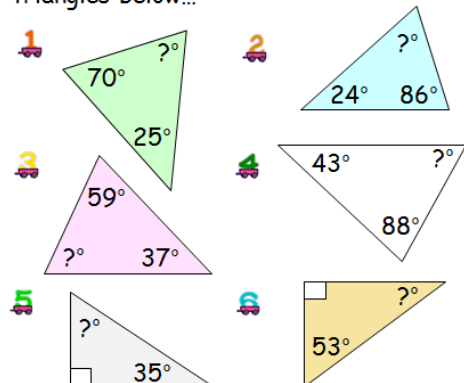


$78^\circ$   $34^\circ$   $?^\circ$

$78 + 34 = 112$   
 $180 - 112 = 68^\circ$

## Questions...

Calculate the missing angles in the triangles below...



## Outcome 1 Answers

1.  $\angle CDE$  or  $\angle EDC$
2.  $\angle BTH$  or  $\angle HTB$
3.  $\angle QDV$  or  $\angle V DQ$
4.  $\angle XYZ$  or  $\angle ZYX$
5.  $\angle HAT$  or  $\angle TAH$
6.  $\angle ZXC$  or  $\angle CXZ$

## Outcome 2 Answers

1.  $? = 35^\circ$
2.  $? = 101^\circ$
3.  $? = 14^\circ$
4.  $? = 54^\circ$
5.  $? = 66^\circ$
6.  $? = 115^\circ$

## Outcome 3 Answers

1.  $? = 85^\circ$
2.  $? = 70^\circ$
3.  $? = 84^\circ$
4.  $? = 49^\circ$
5.  $? = 55^\circ$
6.  $? = 37^\circ$