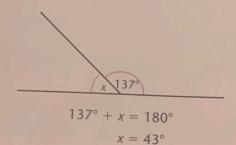
MISSING ANGLES

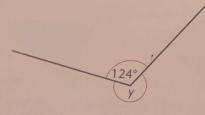
TARGET To find missing angles:

- on a straight line
- at a point
- which are vertically opposite.

ANGLES ON A STRAIGHT LINE The sum of the angles on a straight line is 180°.

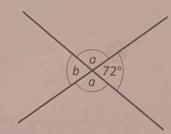


ANGLES AT A POINT A whole turn is 360°.

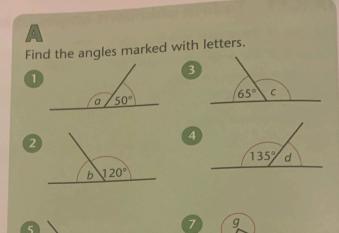


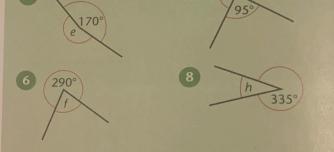
 $124^{\circ} + y = 360^{\circ}$ $y = 236^{\circ}$

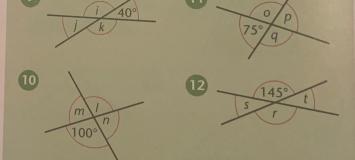
VERTICALLY OPPOSITE ANGLES
Where two straight lines cross each other opposite angles are equal.



 $b = 72^{\circ}$ (vertically opposite) $a + 72^{\circ} = 180^{\circ}$ $a = 108^{\circ}$







How many degrees clockwise is the turn from:

- 13 S to W
- 17 N to NW
- 14 NE to SW
- 18 SE to NE
- 15 E to SE
- 19 NW to S
- 16 NW to E
- 20 W to NE?
- 21 How many degrees is:
 - a) $2\frac{1}{2}$ right angles
 - b) $1\frac{1}{3}$ right angles?