

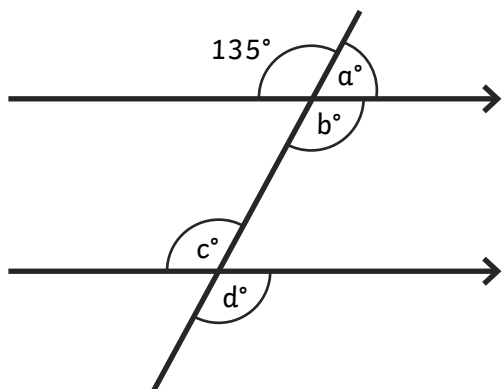
Missing Angles on a Straight Line Extra Challenge

I can find unknown angles on a straight line.



Calculate the missing angles using your knowledge of straight line and vertically opposite angles:

1.



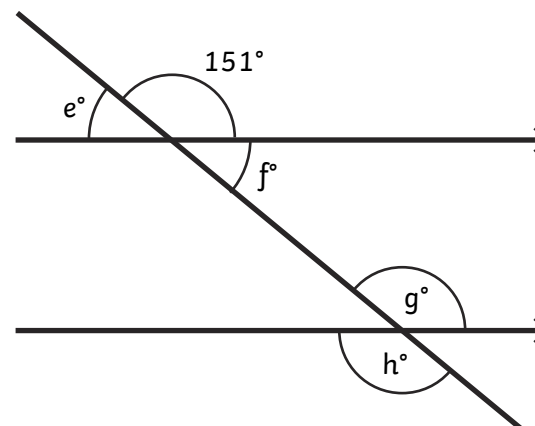
$$a = \text{-----}^\circ$$

$$b = \text{-----}^\circ$$

$$c = \text{-----}^\circ$$

$$d = \text{-----}^\circ$$

2.



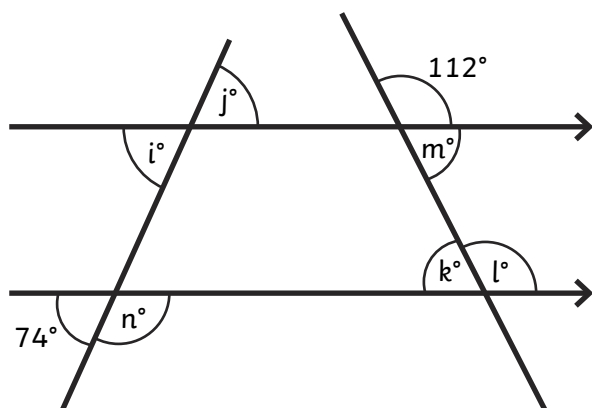
$$e = \text{-----}^\circ$$

$$f = \text{-----}^\circ$$

$$g = \text{-----}^\circ$$

$$h = \text{-----}^\circ$$

3.



$$i = \text{-----}^\circ$$

$$j = \text{-----}^\circ$$

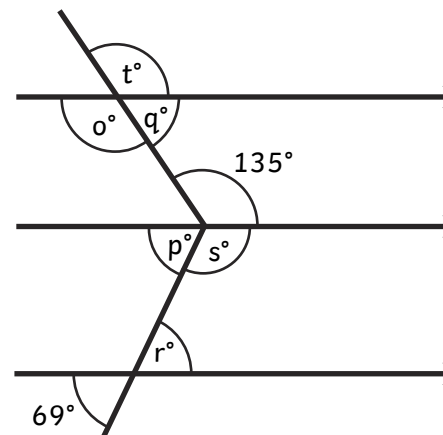
$$k = \text{-----}^\circ$$

$$l = \text{-----}^\circ$$

$$m = \text{-----}^\circ$$

$$n = \text{-----}^\circ$$

4.



$$o = \text{-----}^\circ$$

$$p = \text{-----}^\circ$$

$$q = \text{-----}^\circ$$

$$r = \text{-----}^\circ$$

$$s = \text{-----}^\circ$$

$$t = \text{-----}^\circ$$

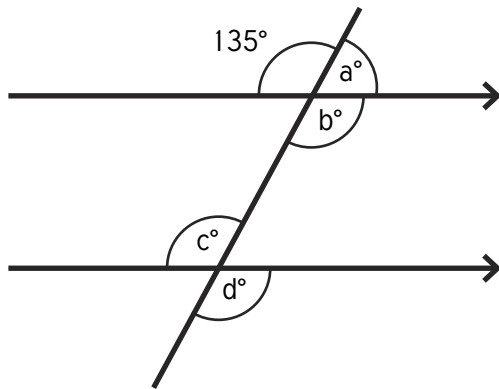
Missing Angles on a Straight Line Extra Challenge **Answers**

I can find unknown angles on a straight line.

Calculate the missing angles using your knowledge of straight line and vertically opposite angles:



1.



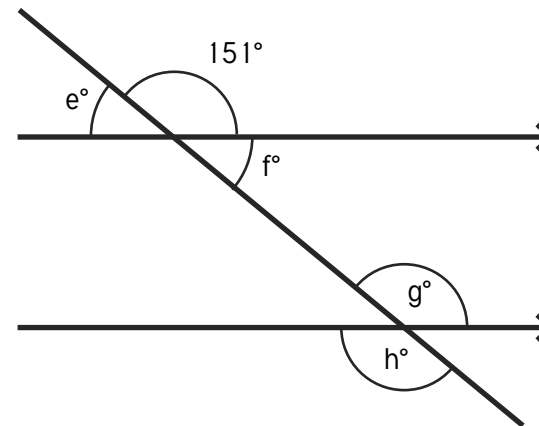
$$a = 45^\circ$$

$$b = 135^\circ$$

$$c = 135^\circ$$

$$d = 135^\circ$$

2.



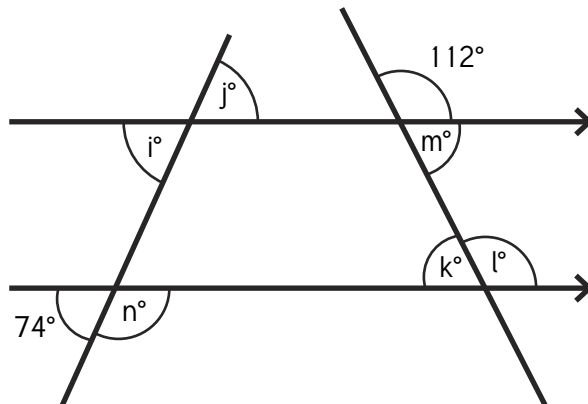
$$e = 29^\circ$$

$$f = 29^\circ$$

$$g = 151^\circ$$

$$h = 151^\circ$$

3.



$$i = 74^\circ$$

$$j = 74^\circ$$

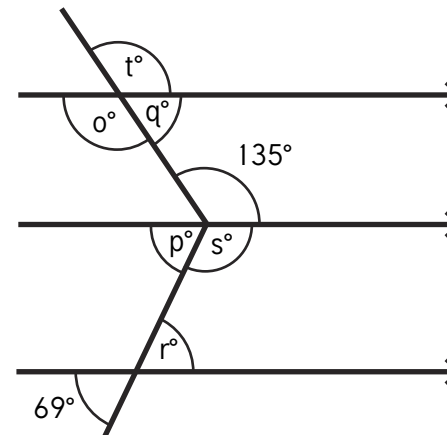
$$k = 68^\circ$$

$$l = 112^\circ$$

$$m = 68^\circ$$

$$n = 106^\circ$$

4.



$$o = 135^\circ$$

$$p = 69^\circ$$

$$q = 45^\circ$$

$$r = 69^\circ$$

$$s = 111^\circ$$

$$t = 135^\circ$$