

Arithmetic

1. $176 - 100$

2. 4^3

3. 55×3

4. $80 + 110$

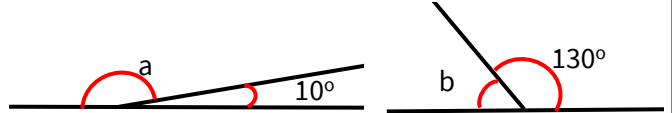
Practice: Calculating Angles on a Straight Line

5. Recap: How many right angles make a line?

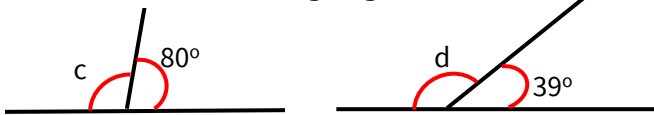
A straight line is ? degrees.



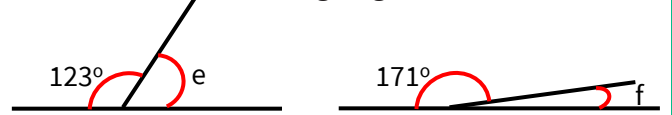
6. Calculate the missing angles.



7. Calculate the missing angles.



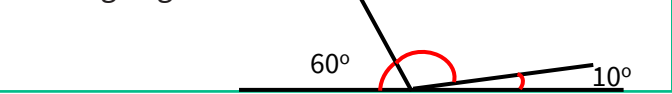
8. Calculate the missing angles.



9. Calculate the missing angles.



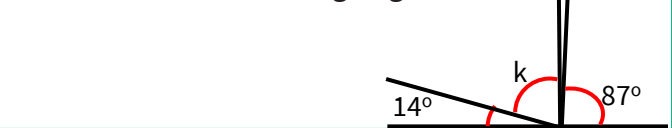
10. Explain how you would find this missing angle.



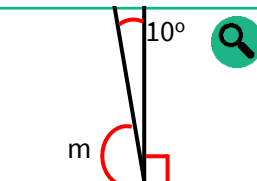
11. Calculate the missing angles.



12. Calculate the missing angles.

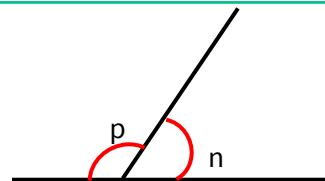


13. Mathias says angle m is 170° . Is Mathias correct?



14. Angle n is a multiple of 3 between 50° and 61° .

Give 4 possible values for angle n and p



You might want
to talk to an adult



Spot the mistake

Answers

Q no.	Question	Answer
1	$176 - 100$	76
2	4^3	64
3	55×3	165
4	$80 + 110$	190
5	How many right angles make a line? A straight line is ? degrees.	2 right angles make a straight line. A straight line is 180° .
6	Calculate the missing angles.	a. 170° , b. 50°
7	Calculate the missing angles.	c. 100° , d. 141°
8	Calculate the missing angles.	e. 57° , f. 9°
9	Calculate the missing angles.	g. 100° , h. 60°
10	Explain how you would find this missing angle.	Pupils will have different methods to find the missing angles. Most will describe adding the given degrees together (70°) and subtracting the total from 180° . The missing angle would measure 110° .
11	Calculate the missing angles.	i. 90° , j. 74°
12	Calculate the missing angles.	k. 76° , l. 3°
13	Is Mathias correct?	Mathias has not understood that 90° is often marked with a square, not a number. He has therefore found $180^\circ - 10^\circ$ instead of $180^\circ - 100^\circ$. The correct answer is $m = 80^\circ$.
14	Angle n is a multiple of 3 between 50° and 61° . Give 4 possible values for angle n and p	$n = 51^\circ$ and $p = 129^\circ$ $n = 54^\circ$ and $p = 126^\circ$ $n = 57^\circ$ and $p = 123^\circ$ $n = 60^\circ$ and $p = 120^\circ$