Arithmetic

1. 7.13 + 1.05

2. 4,213 + 3,168

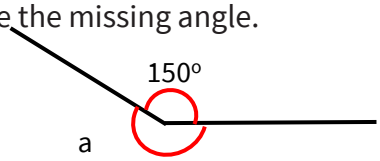
3. $\frac{4}{10}$ of 70

4. 30,000 – 9

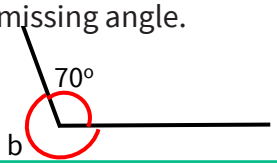
Practice: Calculating Angles Around a Point

5. Recap: There are ? degrees in a right angle, ? right angles in a full turn, so ? degrees in a full turn.

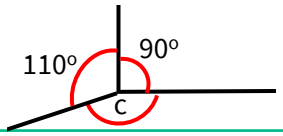
6. Calculate the missing angle.

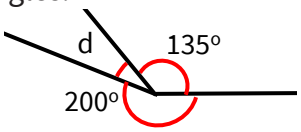


7. Calculate the missing angle.

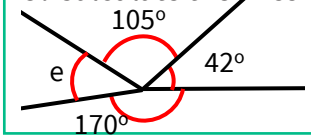


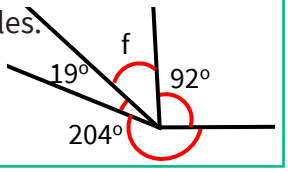
8. Calculate the missing angles.





9. Calculate the missing angles.



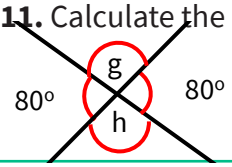


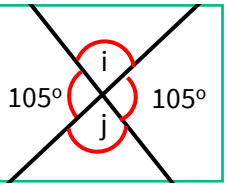
10. Vertically opposite angles are always:

equal, unequal.

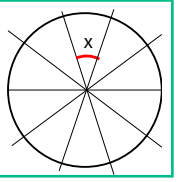
Explain.

11. Calculate the missing angles.



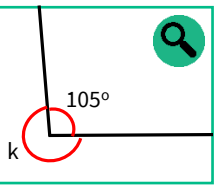


12. Calculate the missing angle.



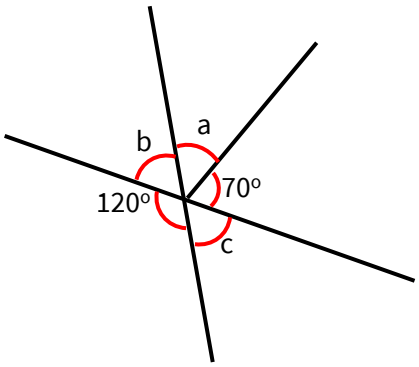
13. Anais says the missing angle is 165°.

Is Anais correct? Explain.



Challenge

14. Without using a protractor, calculate the missing angles.



Explain how you found the missing angles.

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	7.13 + 1.05	8.18
2	4,213 + 3,168	7,381
3	$\frac{4}{10}$ of 70	28
4	30,000 – 9	29,991
5	There are ? degrees in a right angle, ? right angles in a full turn, so ? degrees in a full turn.	90, 4, 360
6	Calculate the missing angle.	a. 210°
7	Calculate the missing angle.	b. 290°
8	Calculate the missing angles.	c. 160°, d. 25°
9	Calculate the missing angles.	e. 43°, f. 45°
10	Vertically opposite angles are always: equal, unequal. Explain.	Vertically opposite angles are created when two lines cross. Vertically opposite angles are always equal.
11	Calculate the missing angles.	g. 100°, h. 100°, i. 75°, j. 75°
12	Calculate the missing angles.	k. 36°
13	Anais says the missing angle is 165°. Is Anais correct? Explain.	Anais is incorrect. She has used 270° as a full circle instead of 360°. The correct answer is 255°.
14	Without using a protractor, calculate the missing angles. Explain how you found the missing angles.	a = 50° b = 60° c = 60° Pupils can find b as 120° + b make a straight line (180°). b and c are vertically opposite angles so equal the same. To find a there are several methods that could be used, as 70° + a are vertically opposite to 120°, they will total 120°. Alternatively, c + 70° + a = 180° and 70° + a + b = 180°.