

Starter

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Questions and short answers

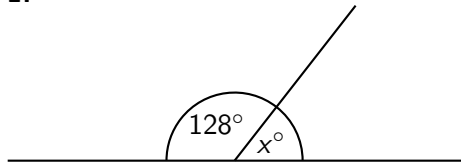
▶ Starter 1

Worked solutions

▶ Starter 1

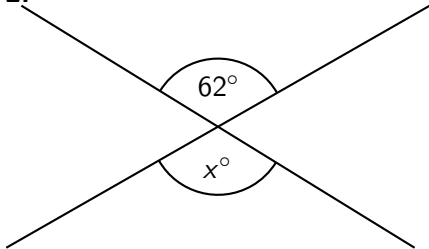
Starter 1

1.



Find the value of x .

2.



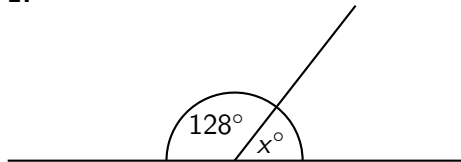
Find the value of x .

3. $372 + 458 = \underline{\hspace{2cm}}$

4. $(84 \div 6) \times 3 = \underline{\hspace{2cm}}$

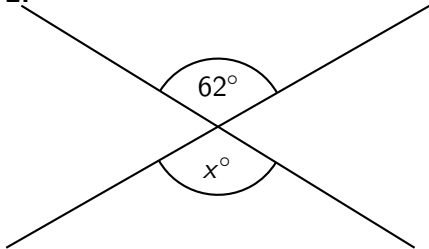
Starter 1

1.



Find the value of x . $x = 52^\circ$

2.



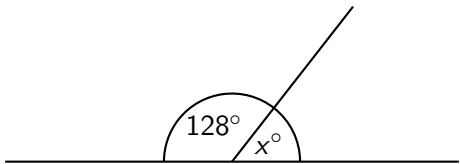
Find the value of x . $x = 62^\circ$

3. $372 + 458 = 830$

4. $(84 \div 6) \times 3 = 42$

Worked Solution: Starter 1, Question 1

Question: A ray splits a straight line. One angle is 128° , and the other is marked x° . Find x .

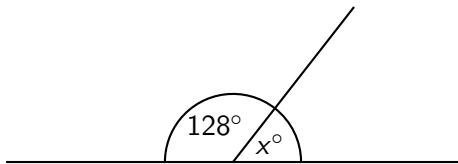


Worked Solution: The two angles lie on a straight line, so their sum is 180° . Therefore

$$x + 128^\circ = 180^\circ \Rightarrow x = 180^\circ - 128^\circ = \underline{\hspace{1cm}}.$$

Worked Solution: Starter 1, Question 1

Question: A ray splits a straight line. One angle is 128° , and the other is marked x° . Find x .

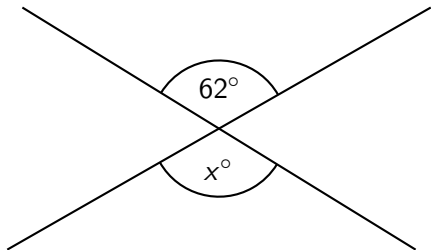


Worked Solution: The two angles lie on a straight line, so their sum is 180° . Therefore

$$x + 128^\circ = 180^\circ \quad \Rightarrow \quad x = 180^\circ - 128^\circ = 52^\circ.$$

Worked Solution: Starter 1, Question 2

Question: Two straight lines intersect. The top angle is 62° , and the vertically opposite angle is marked x° . Find x .

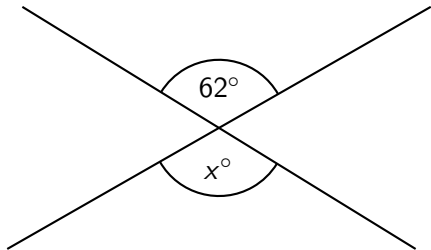


Worked Solution: Vertically opposite angles are equal, so

$$x = \underline{\quad}.$$

Worked Solution: Starter 1, Question 2

Question: Two straight lines intersect. The top angle is 62° , and the vertically opposite angle is marked x° . Find x .



Worked Solution: Vertically opposite angles are equal, so

$$x = 62^\circ.$$

Worked Solution: Starter 1, Question 3

Question: Calculate $372 + 458$.

Worked Solution: Add the hundreds, then add the remaining part.

$$372 + 458 = 372 + 400 + 58 = 772 + 58 = \underline{\quad}.$$

Worked Solution: Starter 1, Question 3

Question: Calculate $372 + 458$.

Worked Solution: Add the hundreds, then add the remaining part.

$$372 + 458 = 372 + 400 + 58 = 772 + 58 = 830.$$

Worked Solution: Starter 1, Question 4

Question: Calculate $(84 \div 6) \times 3$.

Worked Solution: Work out the division first, then multiply by 3.

$$(84 \div 6) \times 3 = 14 \times 3 = \underline{\quad}.$$

Worked Solution: Starter 1, Question 4

Question: Calculate $(84 \div 6) \times 3$.

Worked Solution: Work out the division first, then multiply by 3.

$$(84 \div 6) \times 3 = 14 \times 3 = 42.$$