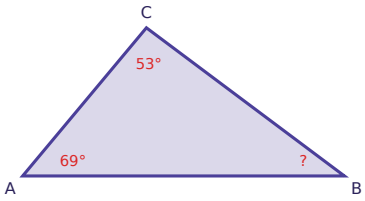
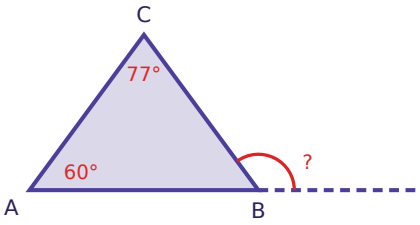
**Task card 1** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 69° and 53°. Find the third angle.



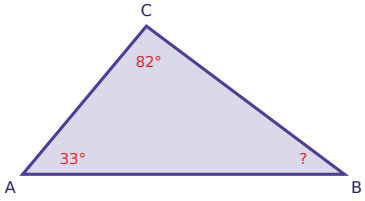

**Task card 2** Triangle Angle Sum & Exterior Angl...

Find the measure of the exterior angle at B.



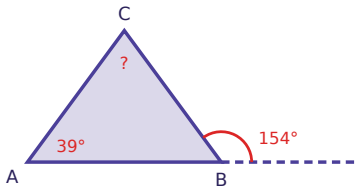

**Task card 3** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 33° and 82°. Find the third angle.



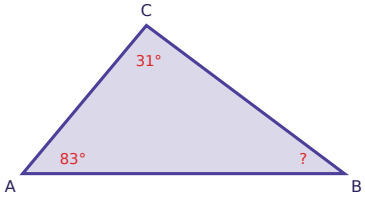

**Task card 4** Triangle Angle Sum & Exterior Angl...

The exterior angle at B is shown. Find the measure of the angle at C.



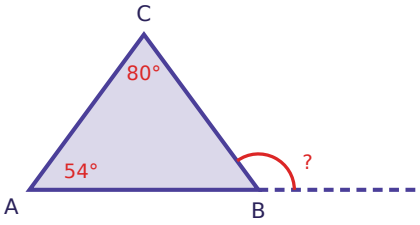

**Task card 5** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 83° and 31°. Find the third angle.



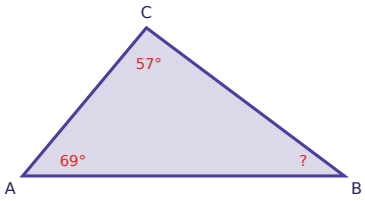

**Task card 6** Triangle Angle Sum & Exterior Angl...

Find the measure of the exterior angle at B.



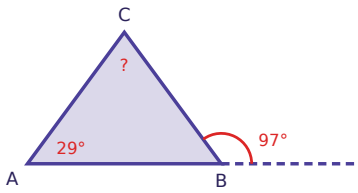
**Task card 7** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 69° and 57°. Find the third angle.



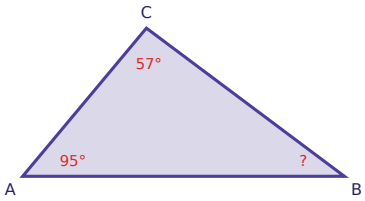

**Task card 8** Triangle Angle Sum & Exterior Angl...

The exterior angle at B is shown. Find the measure of the angle at C.



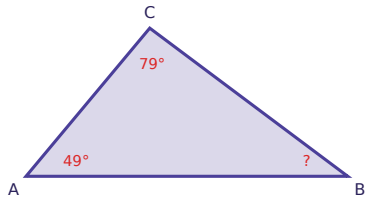

**Task card 9** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 95° and 57°. Find the third angle.



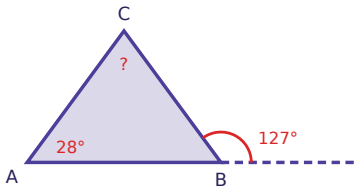

**Task card 10** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 49° and 79°. Find the third angle.



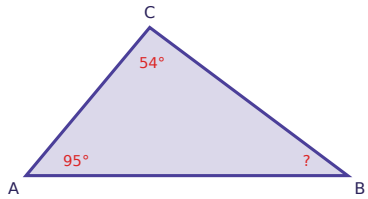

**Task card 11** Triangle Angle Sum & Exterior Angl...

The exterior angle at B is shown. Find the measure of the angle at C.



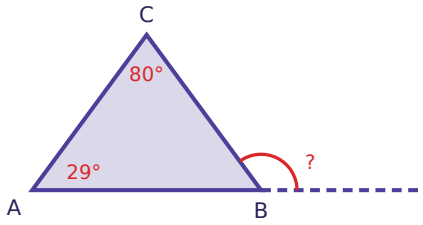

**Task card 12** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 95° and 54°. Find the third angle.



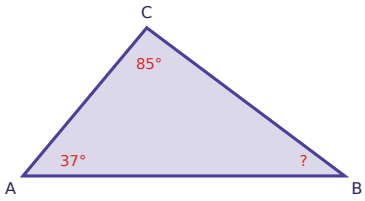
**Task card 13** Triangle Angle Sum & Exterior Angl...

Find the measure of the exterior angle at B.



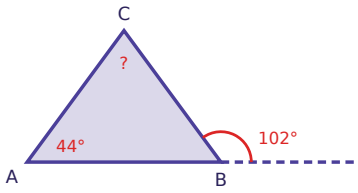

**Task card 14** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 37° and 85°. Find the third angle.



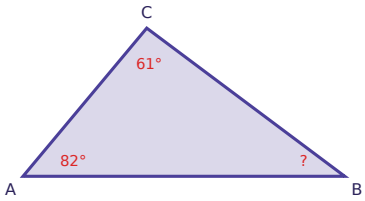

**Task card 15** Triangle Angle Sum & Exterior Angl...

The exterior angle at B is shown. Find the measure of the angle at C.



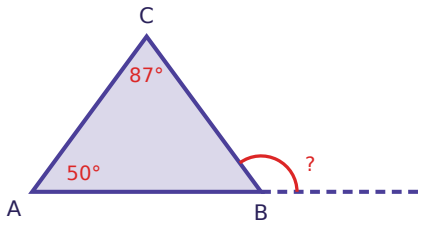

**Task card 16** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 82° and 61°. Find the third angle.



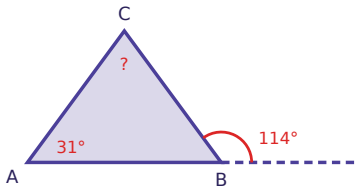

**Task card 17** Triangle Angle Sum & Exterior Angl...

Find the measure of the exterior angle at B.



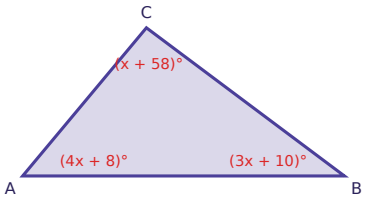

**Task card 18** Triangle Angle Sum & Exterior Angl...

The exterior angle at B is shown. Find the measure of the angle at C.



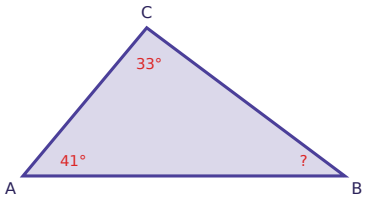
**Task card 19** Triangle Angle Sum & Exterior Angl...

The angles of a triangle are (4x + 8)°, (3x + 10)°, (x + 58)°. Find x.



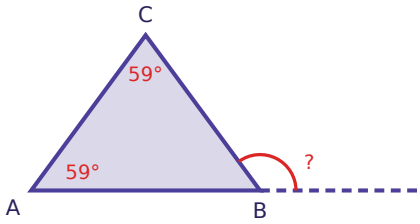

**Task card 20** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 41° and 33°. Find the third angle.



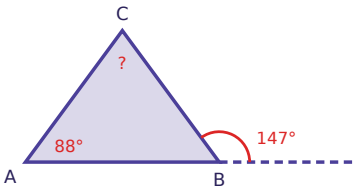

**Task card 21** Triangle Angle Sum & Exterior Angl...

Find the measure of the exterior angle at B.



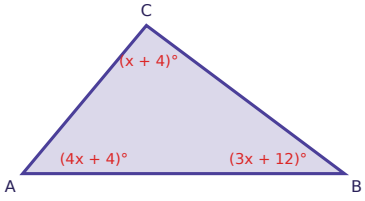

**Task card 22** Triangle Angle Sum & Exterior Angl...

The exterior angle at B is shown. Find the measure of the angle at C.



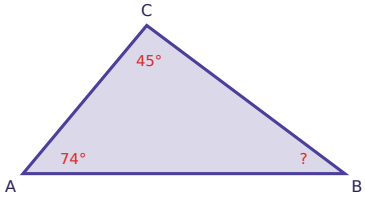

**Task card 23** Triangle Angle Sum & Exterior Angl...

The angles of a triangle are (4x + 4)°, (3x + 12)°, (x + 4)°. Find x.




**Task card 24** Triangle Angle Sum & Exterior Angl...

Two angles of a triangle measure 74° and 45°. Find the third angle.



# Triangle Angle Sum & Exterior Angles Task Cards

Recording sheet · Grade 8 · Find each missing angle or the value of x. Figures are not drawn to scale; write numbers without the ° sign.

Scan to check your answers

Name: _____ Date: _____

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |

# Triangle Angle Sum & Exterior Angles Task Cards: Answer Key

Grade 8 · Easy

The answers online

| | | |
|---|---|---|
| **1.** 58 | **2.** 137 | **3.** 65 |
| **4.** 115 | **5.** 66 | **6.** 134 |
| **7.** 54 | **8.** 68 | **9.** 28 |
| **10.** 52 | **11.** 99 | **12.** 31 |
| **13.** 109 | **14.** 58 | **15.** 58 |
| **16.** 37 | **17.** 137 | **18.** 83 |
| **19.** x = 13 | **20.** 106 | **21.** 118 |
| **22.** 59 | **23.** x = 20 | **24.** 61 |