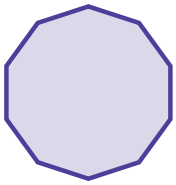
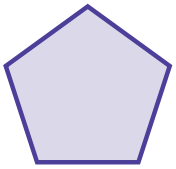
Task card 1 Polygon Angle Sums

Find the sum of the interior angles of a polygon with 10 sides.



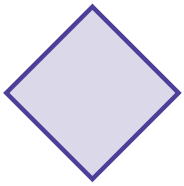
Task card 2 Polygon Angle Sums

A regular polygon has 5 sides. Find the measure of each interior angle.



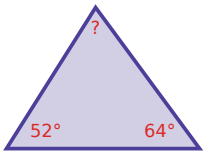
Task card 3 Polygon Angle Sums

A regular polygon has 4 sides. Find the measure of each exterior angle.



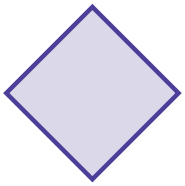
Task card 4 Polygon Angle Sums

A triangle has angles of 52° and 64°. Find the third angle.



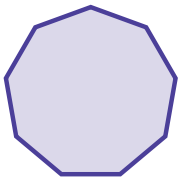
Task card 5 Polygon Angle Sums

Find the sum of the interior angles of a polygon with 4 sides.



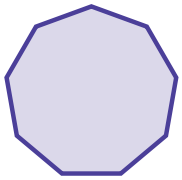
Task card 6 Polygon Angle Sums

A regular polygon has 9 sides. Find the measure of each interior angle.



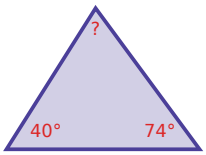
Task card 7 Polygon Angle Sums

A regular polygon has 9 sides. Find the measure of each exterior angle.



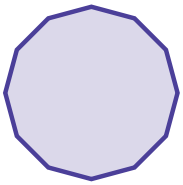
Task card 8 Polygon Angle Sums

A triangle has angles of 40° and 74°. Find the third angle.



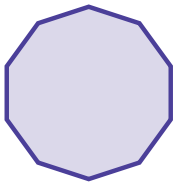
Task card 9 Polygon Angle Sums

Find the sum of the interior angles of a polygon with 12 sides.



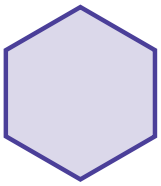
Task card 10 Polygon Angle Sums

A regular polygon has 10 sides. Find the measure of each interior angle.



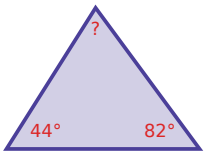
Task card 11 Polygon Angle Sums

A regular polygon has 6 sides. Find the measure of each exterior angle.



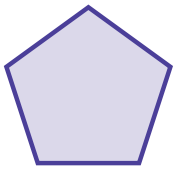
Task card 12 Polygon Angle Sums

A triangle has angles of 44° and 82°. Find the third angle.



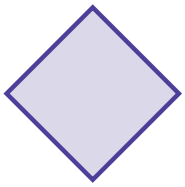
Task card 13 Polygon Angle Sums

Find the sum of the interior angles of a polygon with 5 sides.



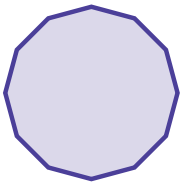
Task card 14 Polygon Angle Sums

A regular polygon has 4 sides. Find the measure of each interior angle.



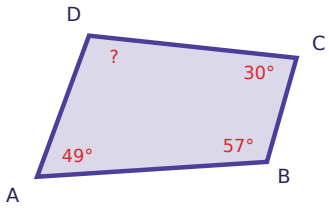
Task card 15 Polygon Angle Sums

A regular polygon has 12 sides. Find the measure of each exterior angle.



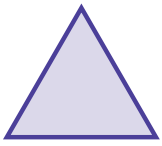
Task card 16 Polygon Angle Sums

A quadrilateral has angles of 49°, 57°, and 30°. Find the fourth angle.



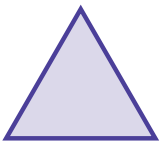
Task card 17 Polygon Angle Sums

Find the sum of the interior angles of a polygon with 3 sides.



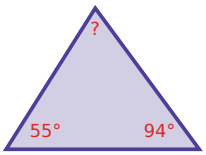
Task card 18 Polygon Angle Sums

A regular polygon has 3 sides. Find the measure of each interior angle.



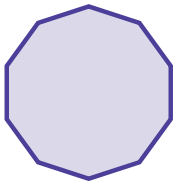
Task card 19 Polygon Angle Sums

A triangle has angles of 55° and 94°. Find the third angle.



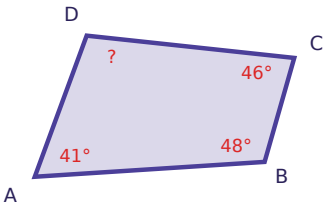
Task card 20 Polygon Angle Sums

A regular polygon has 10 sides. Find the measure of each exterior angle.



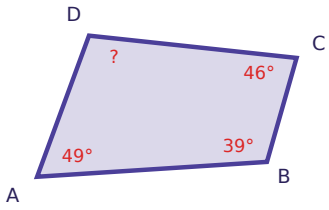
Task card 21 Polygon Angle Sums

A quadrilateral has angles of 41°, 48°, and 46°. Find the fourth angle.



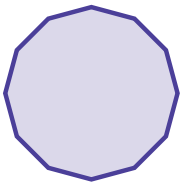
Task card 22 Polygon Angle Sums

A quadrilateral has angles of 49°, 39°, and 46°. Find the fourth angle.



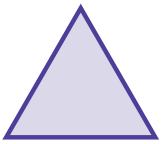
Task card 23 Polygon Angle Sums

A regular polygon has 12 sides. Find the measure of each interior angle.



Task card 24 Polygon Angle Sums

A regular polygon has 3 sides. Find the measure of each exterior angle.



Polygon Angle Sums Task Cards

Recording sheet · Grade 10 · Solve each problem.

Name: _____ Date: _____

Scan to check your answers

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

Polygon Angle Sums Task Cards: Answer Key

Grade 10 · Hard

The answers online

1. 1440	**2.** 108	**3.** 90
4. 64°	**5.** 360	**6.** 140
7. 40	**8.** 66°	**9.** 1800
10. 144	**11.** 60	**12.** 54°
13. 540	**14.** 90	**15.** 30
16. 224°	**17.** 180	**18.** 60
19. 31°	**20.** 36	**21.** 225°
22. 226°	**23.** 150	**24.** 120