

Olympian Angle Adventures: Help the Greek Gods Master Angles!

Math

Grade 4

Mythology Theme

Help the mighty gods and goddesses of Mount Olympus solve their angle challenges by using your math skills!

NAME _____

DATE _____

SCORE _____ / 8

1

Athena is designing a new shield for Heracles. She needs to create a sharp corner where two edges of the shield meet at a right angle. What is the measure of a right angle?

2

Zeus is standing at the top of Mount Olympus looking down at two paths below. One path goes straight east and another goes straight north. What is the total angle between these two directions?

3

Poseidon is creating a trident and wants each of the three prongs to be equally spaced. If he spreads them out to form a straight line together, that makes 180 degrees total. What angle should be between each pair of prongs?

4

Hermes is flying around Olympus and makes a turn. He starts flying north, then turns to fly east. If north and east form a right angle, and he only turned halfway to east, what angle did Hermes turn through?

5

Apollo is drawing a perfect circle in the sand to represent the sun. A full circle is 360 degrees. If he divides it into 4 equal sections, how many degrees will each section be?

6

Artemis is setting up three arrows to practice. One arrow points north, another points south (exactly opposite), making a straight line of 180 degrees. A third arrow points directly between them. What angle is between the north arrow and the middle arrow?

7

Aphrodite is arranging a heart-shaped mirror. She needs to find a very small, sharp angle. If she has a right angle of 90 degrees and divides it into two equal parts, what will each smaller angle measure?

8

Hades is creating a tunnel system in the Underworld with three tunnels meeting at a point. Each tunnel is equally spaced around the meeting point. If a full rotation is 360 degrees, how many degrees apart is each tunnel?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Athena is designing a new shield for Heracles. She needs to create a sharp corner where two edges of the shield meet at a right angle. What is the measure of a right angle?

ANSWER

90 degrees

2

Zeus is standing at the top of Mount Olympus looking down at two paths below. One path goes straight east and another goes straight north. What is the total angle between these two directions?

ANSWER

90 degrees

3

Poseidon is creating a trident and wants each of the three prongs to be equally spaced. If he spreads them out to form a straight line together, that makes 180 degrees total. What angle should be between each pair of prongs?

ANSWER

60 degrees

4

Hermes is flying around Olympus and makes a turn. He starts flying north, then turns to fly east. If north and east form a right angle, and he only turned halfway to east, what angle did Hermes turn through?

ANSWER

45 degrees

5

Apollo is drawing a perfect circle in the sand to represent the sun. A full circle is 360 degrees. If he divides it into 4 equal sections, how many degrees will each section be?

ANSWER

90 degrees

6

Artemis is setting up three arrows to practice. One arrow points north, another points south (exactly opposite), making a straight line of 180 degrees. A third arrow points directly between them. What angle is between the north arrow and the middle arrow?

ANSWER

90 degrees

7

Aphrodite is arranging a heart-shaped mirror. She needs to find a very small, sharp angle. If she has a right angle of 90 degrees and divides it into two equal parts, what will each smaller angle measure?

ANSWER

45 degrees

8

Hades is creating a tunnel system in the Underworld with three tunnels meeting at a point. Each tunnel is equally spaced around the meeting point. If a full rotation is 360 degrees, how many degrees apart is each tunnel?

ANSWER

120 degrees

