Olympus Math Quest: Finding Factors with the Greek Gods

Math · Grade 4 · Mythology Theme

🏛 Help the mythological gods and heroes solve their divine challenges by finding all the factors of each number!

NAME _____ **DATE** _____ **SCORE** _____ / 8

1

Zeus is organizing a grand feast on Mount Olympus and needs to arrange 12 golden plates equally on several tables with no leftovers. What are ALL the factors of 12 that could represent the number of tables he uses?

2

Aphrodite is creating magical flower arrangements for Hephaestus's forge. She has 18 roses and wants to divide them equally into several vases with no roses left over. List all the factors of 18 to show how many vases she could use.

3

Hercules must complete his 20th labor by organizing sacred stones into equal groups. If he arranges them so each group has the same number of stones with none left behind, what are all the factors of 20 he could use?

4

Athena is weaving a tapestry with 16 different colored threads. She wants to arrange them into equal groups for a pattern. What are all the factors of 16 that show how many groups she could make?

5

Poseidon commands his sea creatures to form equal battle formations. He has 24 sea creatures and wants to arrange them so no creature is left out. Find all the factors of 24 to determine his formation options.

6

Artemis is preparing 15 silver arrows to distribute equally among her hunting companions with none remaining. What are all the factors of 15 that show how many companions could receive arrows?

7

Hades is organizing 28 souls into equal groups to guide through the Underworld. What are all the factors of 28 that could represent the number of guides needed?

8

Persephone is planting 30 pomegranate seeds in equal rows in the Underworld garden with no seeds left over. List all the factors of 30 to show how many different row arrangements she could create.

Answer Key

Math   Grade 4   For Parents and Teachers

1

Zeus is organizing a grand feast on Mount Olympus and needs to arrange 12 golden plates equally on several tables with no leftovers. What are ALL the factors of 12 that could represent the number of tables he uses?

ANSWER

1, 2, 3, 4, 6, 12

2

Aphrodite is creating magical flower arrangements for Hephaestus's forge. She has 18 roses and wants to divide them equally into several vases with no roses left over. List all the factors of 18 to show how many vases she could use.

ANSWER

1, 2, 3, 6, 9, 18

3

Hercules must complete his 20th labor by organizing sacred stones into equal groups. If he arranges them so each group has the same number of stones with none left behind, what are all the factors of 20 he could use?

ANSWER

1, 2, 4, 5, 10, 20

4

Athena is weaving a tapestry with 16 different colored threads. She wants to arrange them into equal groups for a pattern. What are all the factors of 16 that show how many groups she could make?

ANSWER

1, 2, 4, 8, 16

5

Poseidon commands his sea creatures to form equal battle formations. He has 24 sea creatures and wants to arrange them so no creature is left out. Find all the factors of 24 to determine his formation options.

ANSWER

1, 2, 3, 4, 6, 8, 12, 24

6

Artemis is preparing 15 silver arrows to distribute equally among her hunting companions with none remaining. What are all the factors of 15 that show how many companions could receive arrows?

ANSWER

1, 3, 5, 15

7

Hades is organizing 28 souls into equal groups to guide through the Underworld. What are all the factors of 28 that could represent the number of guides needed?

ANSWER

1, 2, 4, 7, 14, 28

8

Persephone is planting 30 pomegranate seeds in equal rows in the Underworld garden with no seeds left over. List all the factors of 30 to show how many different row arrangements she could create.

ANSWER

1, 2, 3, 5, 6, 10, 15, 30