

# Forest Friends Factor Adventure

Math

Grade 4

Nature Theme

Help the woodland creatures solve their factoring challenges by finding all the factors in each nature-filled story!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCORE \_\_\_\_\_ / 8

1

Bella the bear is organizing 12 acorns into equal groups to share with her forest friends. How many different ways can she divide the acorns into equal groups? List all the factors of 12.

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\_\_\_\_\_

2

Oliver the owl is building a rectangular nest using 18 twigs. He wants to arrange them into a rectangle. What are all the possible dimensions (factors) he could use to build his nest? List all factors of 18.

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3

Rosa the rabbit planted 24 carrot seeds in her garden and wants to arrange them in equal rows. What are all the different numbers of rows she could make? Find all factors of 24.

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4

Fredrick the frog discovered 16 lily pads in the pond and wants to hop across them in groups. How many different group sizes can he make while using all the lily pads? List all factors of 16.

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5

Daisy the deer collected 20 wildflowers and wants to make bouquets for her forest friends with the same number of flowers in each bouquet. What are all the possible bouquet sizes she could make? Find all factors of 20.

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6

Sam the squirrel gathered 15 pine cones and is organizing a winter supply cache. He wants to divide them into equal stacks. In how many different ways can he arrange them? List all factors of 15.

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7

Luna the lynx found 30 paw prints in the snow leading through the forest. She wants to mark them in equal distance intervals. What are all the possible numbers of intervals she could create? Find all factors of 30.

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8

Gus the groundhog is digging 28 tunnels and wants to connect them in equal groups to create different burrow systems. How many different grouping options does he have? List all factors of 28.

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# Answer Key

Math

Grade 4

For Parents and Teachers

1

Bella the bear is organizing 12 acorns into equal groups to share with her forest friends. How many different ways can she divide the acorns into equal groups? List all the factors of 12.

ANSWER

1, 2, 3, 4, 6, 12 (6 different ways)

2

Oliver the owl is building a rectangular nest using 18 twigs. He wants to arrange them into a rectangle. What are all the possible dimensions (factors) he could use to build his nest? List all factors of 18.

ANSWER

1, 2, 3, 6, 9, 18

3

Rosa the rabbit planted 24 carrot seeds in her garden and wants to arrange them in equal rows. What are all the different numbers of rows she could make? Find all factors of 24.

ANSWER

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

4

Fredrick the frog discovered 16 lily pads in the pond and wants to hop across them in groups. How many different group sizes can he make while using all the lily pads? List all factors of 16.

ANSWER

1, 2, 4, 8, 16

5

Daisy the deer collected 20 wildflowers and wants to make bouquets for her forest friends with the same number of flowers in each bouquet. What are all the possible bouquet sizes she could make? Find all factors of 20.

ANSWER

1, 2, 4, 5, 10, 20

6

Sam the squirrel gathered 15 pine cones and is organizing a winter supply cache. He wants to divide them into equal stacks. In how many different ways can he arrange them? List all factors of 15.

ANSWER

1, 3, 5, 15

7

Luna the lynx found 30 paw prints in the snow leading through the forest. She wants to mark them in equal distance intervals. What are all the possible numbers of intervals she could create? Find all factors of 30.

ANSWER

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

8

Gus the groundhog is digging 28 tunnels and wants to connect them in equal groups to create different burrow systems. How many different grouping options does he have? List all factors of 28.

ANSWER

1, 2, 4, 7, 14, 28

