

Jungle Adventure: Factor Quest with Amazing Animals

Math

Grade 4

Jungle Theme

Help our jungle friends solve their factoring challenges by finding all the factors they need to complete their wild adventures!

NAME _____

DATE _____

SCORE _____ / 8

1

Leo the lion is organizing a jungle feast and needs to arrange 12 bananas into equal groups for different animal families. How many different ways can Leo arrange the bananas so each group has the same amount? List all the factor pairs of 12.

2

Zara the zebra is building a rectangular water hole in the jungle that must have an area of 18 square meters. What are all the possible length and width combinations using whole numbers? List all factor pairs of 18.

3

Mango the monkey found 24 coconuts and wants to share them equally among his monkey friends. He needs to know all the different group sizes he could make. What are all the factors of 24?

4

Bella the butterfly is organizing 16 flowers in the jungle garden into equal bouquets. She wants to find every possible way to group them. What are all the factors of 16?

5

Raja the jaguar is arranging 20 colorful rocks along the jungle path as decorations. He wants to make equal groups with no rocks left over. List all the factors of 20 to show him his options.

6

Petra the parrot needs to divide 15 seeds equally among the hungry birds visiting her tree. What are all the different group sizes she can make? Find all factors of 15.

7

Gigi the giraffe is packing 30 jungle snacks into identical gift baskets for the forest celebration. She needs to know all the possible numbers of baskets and snacks per basket. What are all the factor pairs of 30?

8

Samson the snake is slithering through the jungle and found 14 shiny pebbles. He wants to arrange them in equal rows. What are all the factors of 14 that will help him?

Answer Key

Math

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For Parents and Teachers

1

Leo the lion is organizing a jungle feast and needs to arrange 12 bananas into equal groups for different animal families. How many different ways can Leo arrange the bananas so each group has the same amount? List all the factor pairs of 12.

ANSWER

6 ways: (1,12), (2,6), (3,4), (4,3), (6,2), (12,1) or factors are 1, 2, 3, 4, 6, 12

2

Zara the zebra is building a rectangular water hole in the jungle that must have an area of 18 square meters. What are all the possible length and width combinations using whole numbers? List all factor pairs of 18.

ANSWER

**Factors of 18 are: 1, 2, 3, 6, 9, 18.
Factor pairs: (1,18), (2,9), (3,6)**

3

Mango the monkey found 24 coconuts and wants to share them equally among his monkey friends. He needs to know all the different group sizes he could make. What are all the factors of 24?

ANSWER

Factors of 24 are: 1, 2, 3, 4, 6, 8, 12, 24

4

Bella the butterfly is organizing 16 flowers in the jungle garden into equal bouquets. She wants to find every possible way to group them. What are all the factors of 16?

ANSWER

Factors of 16 are: 1, 2, 4, 8, 16

5

Raja the jaguar is arranging 20 colorful rocks along the jungle path as decorations. He wants to make equal groups with no rocks left over. List all the factors of 20 to show him his options.

ANSWER

Factors of 20 are: 1, 2, 4, 5, 10, 20

6

Petra the parrot needs to divide 15 seeds equally among the hungry birds visiting her tree. What are all the different group sizes she can make? Find all factors of 15.

ANSWER

Factors of 15 are: 1, 3, 5, 15

7

Gigi the giraffe is packing 30 jungle snacks into identical gift baskets for the forest celebration. She needs to know all the possible numbers of baskets and snacks per basket. What are all the factor pairs of 30?

ANSWER

Factors of 30 are: 1, 2, 3, 5, 6, 10, 15, 30. Factor pairs: (1,30), (2,15), (3,10), (5,6)

8

Samson the snake is slithering through the jungle and found 14 shiny pebbles. He wants to arrange them in equal rows. What are all the factors of 14 that will help him?

ANSWER

Factors of 14 are: 1, 2, 7, 14