

Wildlife Factor Adventure: Helping Animals Organize Their Habitats

Math

Grade 4

Animals Theme

Help these amazing animals solve their organization problems by finding factors and completing their adventures!

NAME _____

DATE _____

SCORE _____ / 8

1

Leo the lion is organizing his mane-braiding competition with 12 lion cubs. He wants to divide them into equal groups for different stations. What are all the different ways Leo can arrange the cubs into equal groups? List all the factors of 12.

2

Bella the bear is preparing honey jars for her forest bakery. She has 18 jars of honey and wants to arrange them on shelves so each shelf has the same number of jars with no jars left over. What are all the possible ways she can arrange the jars? List all the factors of 18.

3

Ollie the otter is creating swimming lanes in the river for his racing event. He needs to divide 20 young otters equally among several lanes with no otters left unpaired. What are all the different numbers of lanes Ollie could create? List all the factors of 20.

4

Giraffe Grace is decorating the savanna with 15 colorful flower garlands for a big celebration. She wants to hang the same number of garlands on each acacia tree with none left over. What are all the possible numbers of trees she could decorate? List all the factors of 15.

5

Panda Pete is sorting 24 bamboo shoots into gift baskets for his forest friends. He wants each basket to contain the same number of shoots with nothing left behind. In how many different ways can Pete create equal baskets? List all the factors of 24.

6

Squirrel Sam collected 16 acorns and wants to create identical treasure maps showing different hiding spots. Each map must have the same number of acorns drawn on it, with no acorns left out. What are all the different numbers of maps Sam could make? List all the factors of 16.

7

Penguin Pablo is organizing a grand ice-sliding race with 28 penguin competitors. He needs to divide them into equal teams for a relay race with no penguin left out. What are all the possible team sizes Pablo could create? List all the factors of 28.

8

Rabbit Ruby is planting a carrot garden with 32 carrot seeds. She wants to arrange them in rows where each row has the same number of seeds planted equally. How many different row arrangements can Ruby create? List all the factors of 32.

Answer Key

Math

Grade 4

For Parents and Teachers

1

Leo the lion is organizing his mane-braiding competition with 12 lion cubs. He wants to divide them into equal groups for different stations. What are all the different ways Leo can arrange the cubs into equal groups? List all the factors of 12.

ANSWER

1, 2, 3, 4, 6, 12

2

Bella the bear is preparing honey jars for her forest bakery. She has 18 jars of honey and wants to arrange them on shelves so each shelf has the same number of jars with no jars left over. What are all the possible ways she can arrange the jars? List all the factors of 18.

ANSWER

1, 2, 3, 6, 9, 18

3

Ollie the otter is creating swimming lanes in the river for his racing event. He needs to divide 20 young otters equally among several lanes with no otters left unpaired. What are all the different numbers of lanes Ollie could create? List all the factors of 20.

ANSWER

1, 2, 4, 5, 10, 20

4

Giraffe Grace is decorating the savanna with 15 colorful flower garlands for a big celebration. She wants to hang the same number of garlands on each acacia tree with none left over. What are all the possible numbers of trees she could decorate? List all the factors of 15.

ANSWER

1, 3, 5, 15

5

Panda Pete is sorting 24 bamboo shoots into gift baskets for his forest friends. He wants each basket to contain the same number of shoots with nothing left behind. In how many different ways can Pete create equal baskets? List all the factors of 24.

ANSWER

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

6

Squirrel Sam collected 16 acorns and wants to create identical treasure maps showing different hiding spots. Each map must have the same number of acorns drawn on it, with no acorns left out. What are all the different numbers of maps Sam could make? List all the factors of 16.

ANSWER

1, 2, 4, 8, 16

7

Penguin Pablo is organizing a grand ice-sliding race with 28 penguin competitors. He needs to divide them into equal teams for a relay race with no penguin left out. What are all the possible team sizes Pablo could create? List all the factors of 28.

ANSWER

1, 2, 4, 7, 14, 28

8

Rabbit Ruby is planting a carrot garden with 32 carrot seeds. She wants to arrange them in rows where each row has the same number of seeds planted equally. How many different row arrangements can Ruby create? List all the factors of 32.

ANSWER

1, 2, 4, 8, 16, 32