

Around the World: Factor Adventures with Travel Buddies

Math

Grade 4

Travel Theme

Help our globe-trotting adventurers solve factor mysteries on their journey across continents!

NAME _____

DATE _____

SCORE _____ / 8

1

Captain Marco is planning a round-the-world cruise and needs to arrange 12 passengers into equal groups for different port excursions. List all the factors of 12 so he can decide how many groups to make.

2

Pilot Petra is organizing 18 travelers into equal teams for a safari expedition in Africa. What are all the factors of 18 that could work for team sizes?

3

Tour guide Diego found 20 souvenirs from his travels to South America. He wants to pack them equally into boxes. What are all the possible factors of 20?

4

Explorer Emma is hiking through the Swiss Alps and discovers 16 mountain lodges along her trail. She wants to stop at equal intervals. List all the factors of 16.

5

Sailor Stefan is loading 24 travel chests onto his ship heading to the Caribbean. He needs to arrange them in equal rows on the deck. What are all the factors of 24?

6

Adventure Alice found 15 ancient coins during her archaeological trip to Egypt. She wants to display them in equal rows in a museum case. Find all the factors of 15.

7

Backpacker Ben collected 30 travel stickers from different countries. He wants to create albums with equal numbers of stickers in each. What are all the factors of 30?

8

Travel photographer Tyler took 28 pictures of famous landmarks. He wants to arrange them in equal groups for his photo album. List all the factors of 28.

Answer Key

Math

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For Parents and Teachers

1

Captain Marco is planning a round-the-world cruise and needs to arrange 12 passengers into equal groups for different port excursions. List all the factors of 12 so he can decide how many groups to make.

ANSWER

1, 2, 3, 4, 6, 12

2

Pilot Petra is organizing 18 travelers into equal teams for a safari expedition in Africa. What are all the factors of 18 that could work for team sizes?

ANSWER

1, 2, 3, 6, 9, 18

3

Tour guide Diego found 20 souvenirs from his travels to South America. He wants to pack them equally into boxes. What are all the possible factors of 20?

ANSWER

1, 2, 4, 5, 10, 20

4

Explorer Emma is hiking through the Swiss Alps and discovers 16 mountain lodges along her trail. She wants to stop at equal intervals. List all the factors of 16.

ANSWER

1, 2, 4, 8, 16

5

Sailor Stefan is loading 24 travel chests onto his ship heading to the Caribbean. He needs to arrange them in equal rows on the deck. What are all the factors of 24?

ANSWER

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

6

Adventure Alice found 15 ancient coins during her archaeological trip to Egypt. She wants to display them in equal rows in a museum case. Find all the factors of 15.

ANSWER

1, 3, 5, 15

7

Backpacker Ben collected 30 travel stickers from different countries. He wants to create albums with equal numbers of stickers in each. What are all the factors of 30?

ANSWER

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

8

Travel photographer Tyler took 28 pictures of famous landmarks. He wants to arrange them in equal groups for his photo album. List all the factors of 28.

ANSWER

1, 2, 4, 7, 14, 28