

# Fractions Through Time: Adventures with History's Greatest Explorers

Math

Grade 4

History Theme

Help famous historical figures solve fraction puzzles on their epic quests across time and discover how math guided their adventures!

NAME

DATE

SCORE

\_\_\_\_ / 8

1

Christopher Columbus is preparing three ships for his voyage across the Atlantic Ocean in 1492. He needs to divide 12 barrels of fresh water equally among his three vessels so each ship has the same amount. How many barrels of water does each ship receive? Express your answer as a fraction of the total.

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2

Cleopatra of Egypt is dividing her treasure chamber into sections. She has 8 golden statues and wants to place  $\frac{2}{8}$  of them in the throne room. How many golden statues will be displayed in the throne room?

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3

Marco Polo is traveling the Silk Road and has journeyed  $\frac{3}{5}$  of the way to China. If the total journey is 5,000 miles, how many miles has he already traveled?

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4

Joan of Arc is organizing soldiers for battle. She has 24 soldiers and decides to split them into four equal groups for different battle formations. What fraction of her army is in each group? How many soldiers are in each group?

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5

King Tutankhamun's treasure includes 16 precious gemstones. The archaeologist discovers that  $\frac{1}{4}$  of the gems are sapphires,  $\frac{1}{4}$  are rubies, and the rest are emeralds. How many emeralds are in King Tut's treasure?

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6

Harriet Tubman leads a group of 20 enslaved people to freedom. After one week,  $\frac{1}{5}$  of the group reaches a safe house. How many people have reached safety, and what fraction still need to continue traveling?

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7

Leonardo da Vinci is painting a massive mural that will take 60 days to complete. After  $\frac{2}{3}$  of the time has passed, how many days has he spent painting? How many days remain?

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8

Benjamin Franklin is organizing a colonial printing press with 32 metal letters. He uses  $\frac{3}{8}$  of the letters to print the first sentence of the Declaration of Independence. How many letters did he use, and what fraction of letters remain unused?

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# Answer Key

Math

Grade 4

For Parents and Teachers

1

Christopher Columbus is preparing three ships for his voyage across the Atlantic Ocean in 1492. He needs to divide 12 barrels of fresh water equally among his three vessels so each ship has the same amount. How many barrels of water does each ship receive? Express your answer as a fraction of the total.

ANSWER

**1/3 or 4 barrels**

2

Cleopatra of Egypt is dividing her treasure chamber into sections. She has 8 golden statues and wants to place  $\frac{2}{8}$  of them in the throne room. How many golden statues will be displayed in the throne room?

ANSWER

**2 statues**

3

Marco Polo is traveling the Silk Road and has journeyed  $\frac{3}{5}$  of the way to China. If the total journey is 5,000 miles, how many miles has he already traveled?

ANSWER

**3,000 miles**

4

Joan of Arc is organizing soldiers for battle. She has 24 soldiers and decides to split them into four equal groups for different battle formations. What fraction of her army is in each group? How many soldiers are in each group?

ANSWER

**1/4 of the army; 6 soldiers per group**

5

King Tutankhamun's treasure includes 16 precious gemstones. The archaeologist discovers that  $\frac{1}{4}$  of the gems are sapphires,  $\frac{1}{4}$  are rubies, and the rest are emeralds. How many emeralds are in King Tut's treasure?

ANSWER

**8 emeralds**

6

Harriet Tubman leads a group of 20 enslaved people to freedom. After one week,  $\frac{1}{5}$  of the group reaches a safe house. How many people have reached safety, and what fraction still need to continue traveling?

ANSWER

**4 people reached safety; 4/5 still traveling**

7

Leonardo da Vinci is painting a massive mural that will take 60 days to complete. After  $\frac{2}{3}$  of the time has passed, how many days has he spent painting? How many days remain?

**ANSWER**

**40 days completed; 20 days remaining**

8

Benjamin Franklin is organizing a colonial printing press with 32 metal letters. He uses  $\frac{3}{8}$  of the letters to print the first sentence of the Declaration of Independence. How many letters did he use, and what fraction of letters remain unused?

**ANSWER**

**12 letters used;  $\frac{5}{8}$  remain unused**