

# Galactic Fraction Adventures: Help Space Explorers Complete Their Missions!

Math

Grade 4

Space Theme

Help our brave space explorers solve fraction problems during their amazing adventures across the galaxy!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

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

1

Captain Stella is exploring a distant planet and discovers a crystal cave. She collects  $\frac{3}{4}$  of a bucket of glowing crystals on Monday and  $\frac{1}{4}$  of a bucket on Tuesday. How many buckets of crystals does Captain Stella have in total?

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2

Astronaut Zax is on the Moon Base and needs to share a pizza with his robot friend. The pizza has 8 slices. If Zax eats  $\frac{3}{8}$  of the pizza and his robot eats  $\frac{2}{8}$  of the pizza, what fraction of the pizza is left?

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3

Commander Nova is flying through an asteroid field. She successfully navigates through  $\frac{5}{6}$  of the dangerous asteroids. If there are 12 asteroids total, how many asteroids has she safely passed?

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4

Young space cadet Orion is training to be a pilot. He completes  $\frac{1}{3}$  of his flight simulator training on Monday,  $\frac{2}{6}$  of his training on Wednesday, and the rest on Friday. What fraction of his training does he complete on Friday?

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5

Alien explorer Zephyr discovers a garden of space flowers. She picks  $\frac{1}{2}$  of the flowers to study and leaves  $\frac{1}{4}$  of the flowers for other explorers. What fraction of the flowers is still left unpicked?

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6

Space scientist Dr. Cosmos is measuring rocket fuel. A full tank holds 20 gallons. If Dr. Cosmos uses  $\frac{7}{10}$  of the tank for a trip to Mars, how many gallons of fuel does she use?

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7

Galaxy ranger Leo finds a treasure chest in an alien temple. The chest contains 24 shiny space coins. If  $\frac{5}{8}$  of the coins are gold and the rest are silver, how many silver coins are in the chest?

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8

Pilot Aurora is traveling between space stations. She completes  $\frac{2}{5}$  of her journey on the first day and  $\frac{1}{5}$  of her journey on the second day. How much of her journey is left to complete?

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# Answer Key

Math

Grade 4

For Parents and Teachers

1

Captain Stella is exploring a distant planet and discovers a crystal cave. She collects  $\frac{3}{4}$  of a bucket of glowing crystals on Monday and  $\frac{1}{4}$  of a bucket on Tuesday. How many buckets of crystals does Captain Stella have in total?

ANSWER

1 bucket

2

Astronaut Zax is on the Moon Base and needs to share a pizza with his robot friend. The pizza has 8 slices. If Zax eats  $\frac{3}{8}$  of the pizza and his robot eats  $\frac{2}{8}$  of the pizza, what fraction of the pizza is left?

ANSWER

$\frac{3}{8}$

3

Commander Nova is flying through an asteroid field. She successfully navigates through  $\frac{5}{6}$  of the dangerous asteroids. If there are 12 asteroids total, how many asteroids has she safely passed?

ANSWER

10 asteroids

4

Young space cadet Orion is training to be a pilot. He completes  $\frac{1}{3}$  of his flight simulator training on Monday,  $\frac{2}{6}$  of his training on Wednesday, and the rest on Friday. What fraction of his training does he complete on Friday?

ANSWER

$\frac{1}{6}$

5

Alien explorer Zephyr discovers a garden of space flowers. She picks  $\frac{1}{2}$  of the flowers to study and leaves  $\frac{1}{4}$  of the flowers for other explorers. What fraction of the flowers is still left unpicked?

ANSWER

$\frac{1}{4}$

6

Space scientist Dr. Cosmos is measuring rocket fuel. A full tank holds 20 gallons. If Dr. Cosmos uses  $\frac{7}{10}$  of the tank for a trip to Mars, how many gallons of fuel does she use?

ANSWER

14 gallons

7

Galaxy ranger Leo finds a treasure chest in an alien temple. The chest contains 24 shiny space coins. If  $\frac{5}{8}$  of the coins are gold and the rest are silver, how many silver coins are in the chest?

ANSWER

9 silver coins

8

Pilot Aurora is traveling between space stations. She completes  $\frac{2}{5}$  of her journey on the first day and  $\frac{1}{5}$  of her journey on the second day. How much of her journey is left to complete?

ANSWER

$\frac{2}{5}$