

# Digital Fractions: Adventures with Code Creatures and Pixel Pals

Math

Grade 3

Technology Theme

Help your Technology character friends solve fraction problems as they explore the digital world!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

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

1

Byte the Robot is downloading a video game that's divided into 8 equal parts. He's already downloaded 3 parts. What fraction of the game has Byte downloaded?

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\_\_\_\_\_

\_\_\_\_\_

2

Pixel the Bunny has a pizza made of 4 equal slices in her digital kitchen. She ate 1 slice for lunch. What fraction of the pizza is left?

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\_\_\_\_\_

\_\_\_\_\_

3

Widget the Code Wizard is organizing 10 magical crystals in his treasure chest. 2 of them glow blue and the rest glow green. What fraction of the crystals glow blue?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4

Luna the Hacker is splitting her computer screen into 6 equal windows to monitor different servers. She's opened 4 windows so far. What fraction of the screen is still empty?

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\_\_\_\_\_

5

Circuit the Ant is collecting data from 12 computer nodes in the network. So far, he's visited 5 nodes. What fraction of the nodes has Circuit visited?

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\_\_\_\_\_

6

Spark the Firefly found a chocolate bar divided into 8 pieces in a digital café. She shared 3 pieces with her friends. What fraction of the chocolate bar does Spark have left?

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\_\_\_\_\_

7

Echo the Smart Speaker is playing a playlist of 9 songs. 6 of the songs are upbeat dance music. What fraction of the playlist is dance music?

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\_\_\_\_\_

8

Glitch the Game Character is collecting coins in a level with 15 total coins hidden around. He's found 9 coins so far. What fraction of the coins still needs to be found?

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# Answer Key

Math

Grade 3

For Parents and Teachers

1

Byte the Robot is downloading a video game that's divided into 8 equal parts. He's already downloaded 3 parts. What fraction of the game has Byte downloaded?

ANSWER

$3/8$

2

Pixel the Bunny has a pizza made of 4 equal slices in her digital kitchen. She ate 1 slice for lunch. What fraction of the pizza is left?

ANSWER

$3/4$

3

Widget the Code Wizard is organizing 10 magical crystals in his treasure chest. 2 of them glow blue and the rest glow green. What fraction of the crystals glow blue?

ANSWER

$2/10$  or  $1/5$

4

Luna the Hacker is splitting her computer screen into 6 equal windows to monitor different servers. She's opened 4 windows so far. What fraction of the screen is still empty?

ANSWER

$2/6$  or  $1/3$

5

Circuit the Ant is collecting data from 12 computer nodes in the network. So far, he's visited 5 nodes. What fraction of the nodes has Circuit visited?

ANSWER

$5/12$

6

Spark the Firefly found a chocolate bar divided into 8 pieces in a digital café. She shared 3 pieces with her friends. What fraction of the chocolate bar does Spark have left?

ANSWER

$5/8$

7

Echo the Smart Speaker is playing a playlist of 9 songs. 6 of the songs are upbeat dance music. What fraction of the playlist is dance music?

ANSWER

$6/9$  or  $2/3$

8

Glitch the Game Character is collecting coins in a level with 15 total coins hidden around. He's found 9 coins so far. What fraction of the coins still needs to be found?

ANSWER

$6/15$  or  $2/5$