

Student Activity Book

Name _____ Date _____

Miguel's Fraction Trails Moves
Miguel spun $\frac{5}{8}$ and moved this way:

Fraction Trails 1 Game Board

Emily spun $\frac{5}{8}$ and moved this way:

Fraction Trails 1 Game Board

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Equivalent Fractions on Number Lines SAB • Grade 5 • Unit 2 • Lesson 6 59

Miguel's Fraction Trails Moves (SAB pp. 59–60)
Questions 1–3

1. Possible response: $\frac{5}{8} = \frac{1}{2} + \frac{1}{8}$ because $\frac{1}{2}$ is equivalent to $\frac{4}{8}$. So, $\frac{5}{8} = \frac{4}{8} + \frac{1}{8}$.
2. Possible responses: $\frac{1}{2} + \frac{5}{12}$, $\frac{2}{4} + \frac{5}{12}$, $\frac{1}{4} + \frac{2}{3}$
3. A. True $\frac{1}{3} + \frac{1}{12} = \frac{5}{12}$
 B. True $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$
 C. False $\frac{1}{4} + \frac{1}{3} = \frac{2}{7}$
 D. True $\frac{5}{10} + \frac{2}{5} = \frac{9}{10}$
 E. Possible response: $\frac{2 \times 2}{5 \times 2} + \frac{4}{10}$
 $\frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

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1. Look at Miguel's move and Emily's moves. Show or tell how $\frac{5}{8} = \frac{1}{2} + \frac{1}{8}$.
2. Miguel spun $\frac{11}{12}$ playing Fraction Trails 3. How can he break $\frac{11}{12}$ into the sum of smaller fractions so he can move on more than just the twelfths trail? Write a number sentence.
3. Circle the true number sentences.

A. $\frac{1}{3} + \frac{1}{12} = \frac{5}{12}$	B. $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$
C. $\frac{1}{4} + \frac{1}{3} = \frac{2}{7}$	D. $\frac{5}{10} + \frac{2}{5} = \frac{9}{10}$

E. Show or tell how you know the answer to Question 3D.

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