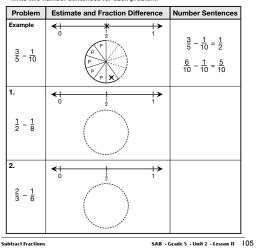


- Make a sketch to show how you subtracted as shown in the example.
- · Write two number sentences for each problem.



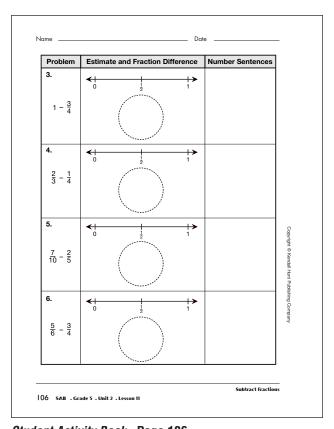
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Find Fraction Differences (SAB pp. 105–106) Questions 1–6

For Questions 1–6, estimates on number lines and number sentences will vary. Possible responses given.

| Problem | Estimate and Fraction Difference | Number Sentences |
|---------------------------------|----------------------------------|---|
| 1. $\frac{1}{2} - \frac{1}{8}$ | 0 ½ 1 | $\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$ $\frac{4}{2} - \frac{1}{8} = \frac{3}{8}$ |
| 2. \frac{2}{3} - \frac{1}{6} | A X | $\frac{2}{3} - \frac{1}{6} = \frac{1}{2}$ $\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$ $\frac{2}{3} - \frac{1}{6} = \frac{3}{6}$ |

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| Problem | Estimate and Fraction Difference | Number Sentences |
|---|---|--|
| 3. 1 - $\frac{3}{4}$ | Y X X X | |
| 4.* 2/3 - 1/4 | O 2 1 | $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$ $\frac{8}{12} - \frac{3}{12} = \frac{5}{12}$ |
| 5. \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | X X X X X X X X X X X X X X X X X X X | $\frac{\frac{7}{10} - \frac{2}{5} = \frac{3}{10}}{\frac{7}{10} - \frac{4}{10} = \frac{3}{10}}$ |
| 6. | O Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z | $\frac{5}{6} - \frac{3}{4} = \frac{1}{12}$ $\frac{10}{12} - \frac{9}{12} = \frac{1}{12}$ |

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^{*}Answers and/or discussion are included in the lesson.

Add and Subtract Fractions (SAB pp. 107–108) Homework Questions 1–8

Number sentences may vary.

- 1. Mark; $\frac{5}{6} \frac{4}{6} = \frac{1}{6}$ or $\frac{5}{6} \frac{2}{3} = \frac{1}{6}$
- **2.** $\frac{9}{10} \frac{1}{2} = \frac{4}{10}$ mile or $\frac{9}{10} \frac{5}{10} = \frac{4}{10}$ mile
- **3.** $\frac{12}{12} \frac{10}{12} = \frac{2}{12}$ strip
- **4.** $\frac{2}{3} + \frac{2}{9} = \frac{8}{9}$; $\frac{9}{9} \frac{8}{9} = \frac{1}{9}$ bowl
- **5.** $\frac{1}{3} + \frac{3}{6} = \frac{5}{6}$; $\frac{6}{6} \frac{5}{6} = \frac{1}{6}$; 10 minutes
- **6.** $\frac{1}{4} + \frac{3}{12} = \frac{6}{12}$; $\frac{1}{2}$ are fifth graders
- **7. A.** $\frac{1}{5} + \frac{3}{10} = \frac{5}{10}$; the jar is half full
 - **B.** $\frac{1}{4}$ of a jar more; $\frac{1}{2} + \frac{1}{4} = \frac{3}{4}$ jar
- **8.** Word problems will vary.

| Name | Date |
|---------|--|
| | Add and Subtract Fractions |
| | (Shomework) |
| Solve | each word problem. Include a number sentence in your solution. |
| 1. | The library held a reading contest. In one night, Mark read $\frac{2}{5}$ of the book <i>The Magic Pen</i> and Miguel read $\frac{2}{5}$ of <i>The Magic Pen</i> . Who read more of the book? How much more of the book did that student read? |
| 2. | Diana wants to buy a book from Buy More Book Store. It is $\frac{9}{10}$ of a mile from her house. By 3:00, she had walked one-half of a mile. How much farther does Diana have to walk? |
| 3. | The librarian is making bookmarks for the contest participants. Each strip of paper is one foot long. He wants to make 5-inch bookmarks and waste as little paper as possible. What fraction of each strip will be left after making bookmarks? |
| 4. | Sam invites Levi over to his house to read. They share a big bowl of popcorn. Sam eats $\frac{2}{9}$ of the bowl and Levi eats $\frac{2}{9}$ of the bowl. How much of the bowl of popcorn remains? |
| Subtrac | t Fractions SAB · Grade 5 · Unit 2 · Lesson II |

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| Name | Date |
|------|---|
| 5. | Michael's goal is to read for 60 minutes. He reads for $\frac{1}{3}$ hour and then takes a break. Then he reads for $\frac{2}{6}$ of an hour and takes another break to add up his minutes. How many more minutes does Michael need to read? |
| 6. | The library is filled with contestants from the third, fourth, and fifth grades. $\frac{1}{4}$ of the contestants are third graders and $\frac{3}{10}$ of the contestants are fourth graders. What part of the contestants are fifth graders? |
| 7. | The librarian adds a marble to a jar for every book read. The jar was $\frac{1}{5}$ full yesterday. Today, he adds $\frac{9}{10}$ of a jar more to the marbles. |
| | A. What fraction of the jar is full? |
| | B. The students are awarded an extra 15 minutes of silent reading when the jar is $\frac{3}{4}$ full. How much more of the jar needs to be filled to get the reward? |
| 8. | Write your own subtraction word problem about a library reading contest. Show how to solve it. |
| | |
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