

# MY Homework

## Lesson 7

### Subtract Mixed Numbers

## Homework Helper



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Joanna has  $4\frac{1}{6}$  inches of ribbon. She cuts off  $1\frac{5}{6}$  inches of the ribbon that are frayed. How long is Joanna's ribbon now?

Find  $4\frac{1}{6} - 1\frac{5}{6}$ .

**1** Write each mixed number as an equivalent improper fraction.

$$4\frac{1}{6} = \frac{6}{6} + \frac{6}{6} + \frac{6}{6} + \frac{6}{6} + \frac{1}{6} = \frac{6 + 6 + 6 + 6 + 1}{6} = \frac{25}{6}$$

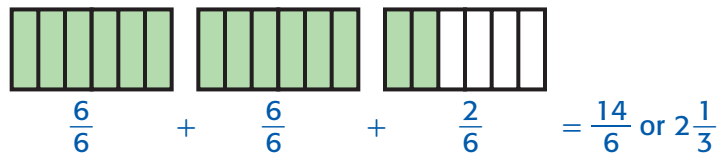
$$1\frac{5}{6} = \frac{6}{6} + \frac{5}{6} = \frac{6 + 5}{6} = \frac{11}{6}$$

**2** Subtract like fractions.

$$\frac{25}{6} - \frac{11}{6} = \frac{14}{6}$$

**3** Simplify.

$$\frac{14}{6} = 2\frac{1}{3}$$



So, Joanna's ribbon is now  $2\frac{1}{3}$  inches long.

## Practice

Find each difference. Write in simplest form.

1.  $7\frac{5}{8} - 4\frac{2}{8} =$  \_\_\_\_\_

2.  $3\frac{1}{4} - 1\frac{3}{4} =$  \_\_\_\_\_

3.  $6\frac{4}{5} - 2\frac{1}{5} =$  \_\_\_\_\_

4.  $8\frac{4}{6} - 2\frac{5}{6} =$  \_\_\_\_\_

Find each difference. Write in simplest form.

5.  $10\frac{2}{6} - 7\frac{3}{6} =$  \_\_\_\_\_

6.  $7\frac{3}{10} - 5\frac{5}{10} =$  \_\_\_\_\_

7.  $15\frac{2}{3} - 8\frac{1}{3} =$  \_\_\_\_\_

8.  $5\frac{2}{5} - 3\frac{4}{5} =$  \_\_\_\_\_



## Problem Solving

Solve. Write the answer in simplest form.

9. **Mathematical PRACTICE 2** Use Number Sense On Saturday Rhonda filled  $3\frac{1}{3}$  buckets with shells. On Sunday she filled  $4\frac{2}{3}$  buckets with shells. How many more buckets of shells did Rhonda fill on Sunday?
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10. Cooper worked  $6\frac{1}{6}$  hours at the book fair. Amanda worked  $4\frac{5}{6}$  hours at the book fair. How much longer did Cooper work?
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11. Sandy brought  $6\frac{1}{4}$  dozen cookies to the bake sale. Alejandro brought  $1\frac{3}{4}$  dozen fewer cookies than Sandy brought. How many dozen cookies did Alejandro bring?
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## Test Practice

12. Tara read  $4\frac{5}{8}$  pages of the arts section in the newspaper. She read  $3\frac{7}{8}$  pages of the sports section. How many more pages of the arts section did Tara read?
- (A)  $\frac{2}{8}$  pages                      (C)  $\frac{3}{4}$  pages  
(B)  $1\frac{2}{8}$  pages                      (D)  $1\frac{7}{8}$  pages