

NAME \_\_\_\_\_

FRACTIONS AND MIXED NUMBERS

DATE \_\_\_\_\_

PROBLEM SOLVING, ADDING AND SUBTRACTING WITH UNLIKE DENOMINATORS

## A Bumpy Ride

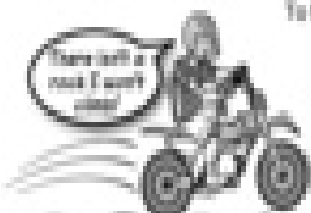
Solve. Write each sum or difference in lowest terms.

Shade each rock with the matching mixed number.

<p>1. Travis is building a ramp out of scrap wood. The longest board is <math>7\frac{1}{2}</math> feet long. The shortest board is <math>4\frac{1}{2}</math> feet long. What is the difference between the longest and shortest lengths?</p> <p>_____ feet</p>	<p>2. Travis places together a <math>4\frac{1}{2}</math>-foot board and a <math>6\frac{1}{2}</math>-foot board. This is the width of the ramp. How wide will Travis's ramp be?</p> <p>_____ feet</p>	<p>3. Travis is <math>4\frac{1}{2}</math> feet tall. He wants the ramp to be <math>3\frac{1}{2}</math> feet taller than he is. How tall will the ramp be?</p> <p>_____ feet</p>	<p>4. Travis bought <math>3\frac{1}{2}</math> boxes of nails. He used <math>1\frac{1}{2}</math> boxes of nails so far. How many boxes of nails does he have left?</p> <p>_____ boxes</p>
<p>5. Travis's dad gave him <math>4\frac{1}{2}</math> gallons of black paint. He used <math>3\frac{1}{2}</math> gallons. How many gallons of paint does Travis have left?</p> <p>_____ gallons</p>	<p>6. Between Friday and Saturday, Travis spent a total of <math>6\frac{1}{2}</math> hours building his ramp. On Friday, Travis worked for <math>4\frac{1}{2}</math> hours. How many hours did he work on Saturday?</p> <p>_____ hours</p>	<p>7. On Travis's first jump, he landed <math>18\frac{1}{2}</math> feet away from the ramp. On his second jump, Travis landed <math>13\frac{1}{2}</math> feet away. How much longer was Travis's second jump than his first one?</p> <p>_____ feet</p>	<p>8. Travis puts <math>4\frac{1}{2}</math> gallons of gas in his tank on Tuesday. Then, on Thursday, he adds <math>1\frac{1}{2}</math> more gallons of gas. How many gallons of gas has Travis put in his tank altogether?</p> <p>_____ gallons</p>

### Which year is a motocross rider's favorite?

To find the answer, write the letters you did not shade in order on the lines below.



**Hint:** Choose two fractions from the rocks you did not shade and write a story problem in which you add them.