

Solving Mixed Number Sums with Bar Diagrams

Name: _____

Date: _____

Solve the following word problems by filling in the bar diagrams below each exercise.

1. Jenny and Tina drove to their aunt Julie's house. Jenny drove $98 \frac{3}{4}$ miles. Tina drove $153 \frac{3}{7}$ miles before they arrived. How many miles had they driven in all?

A bar diagram for problem 1. It consists of two horizontal bars. The top bar is divided into two sections: a solid rectangular section on the left and a dashed rectangular section on the right. A question mark '?' is located in the dashed section. The bottom bar is a single solid rectangular section.

2. Milo flew $98 \frac{2}{9}$ kilometers to Stuttgart to visit his uncle Ben. After picking up Milo, Ben drove $9 \frac{3}{4}$ kilometers to his house in Ludwigsburg. How many kilometers had Milo traveled in all?

A bar diagram for problem 2. It consists of two horizontal bars. The top bar is divided into two sections: a solid rectangular section on the left and a dashed rectangular section on the right. A question mark '?' is located in the dashed section. The bottom bar is a single solid rectangular section.

3. It was Hazel's first trip to the Bahamas and she flew $300 \frac{3}{16}$ more miles than she flew last summer. Last summer she flew $246 \frac{2}{8}$ miles. How many miles had Hazel flown in all?

A bar diagram for problem 3. It consists of two horizontal bars. The top bar is divided into two sections: a solid rectangular section on the left and a dashed rectangular section on the right. A question mark '?' is located in the dashed section. The bottom bar is a single solid rectangular section.

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4. In the relay, Dexter was to run $3\frac{3}{8}$ of the course. Afterwards, Eli was to continue $6\frac{5}{16}$ of the course. What is Eli and Milo's total run combined?

	?

5. Nobody wanted to ride the $22\frac{1}{3}$ miles back to town after the family reunion. So relatives rode $2\frac{5}{8}$ miles to the nearest hotel. How many miles did the family ride in all?

	?

