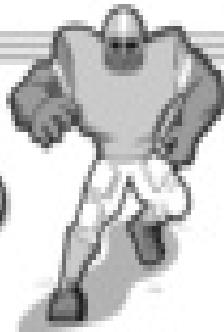


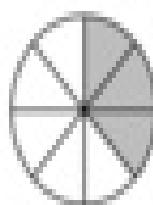
Warm Up**Problem Solving With Fractions, Like Denominators, Adding, and Subtracting**

Using visual fraction models can make it easier to add and subtract fractions when solving a problem.

Tim runs $\frac{1}{3}$ the length of the field on the first play. On the next play, he covers $\frac{1}{3}$ of the field's length. How much of the field's length did Tim cover in both plays?



Tim ran $\frac{2}{3}$ of the field's length in both plays.



$$\frac{3}{8} \times \frac{1}{2}$$

The quarterback, Adam Zapple, is only happy with $\frac{1}{2}$ of his passes. What portion of Adam's passes does he think could have been better?

Adam is unhappy with $\frac{1}{2}$ of his passes.

Use the model to help solve each problem.

1. Sophie buys a pack of gum. She chewed $\frac{1}{4}$ of the pack right away. She chewed $\frac{1}{4}$ of the pack after lunch. What part of the pack of gum does she chew in all?



2. Brian walks, jogs, and runs a mile every day this week. If he runs $\frac{1}{2}$ of the mile and jogs $\frac{1}{2}$ of the mile, how much of the mile does Brian walk every day?

