Solve. Show your work. Round the coefficient to the nearest tenth.

1 $6.3 \cdot 10^{-2} + 4.9 \cdot 10^{-2}$

2 $7.2 \cdot 10^2 - 3.5 \cdot 10^2$

The table shows the amounts of energy, in Calories, contained in various foods.

Food (per 100 g)	Energy (Cal)
Chicken breast	$1.71 \cdot 10^5$
Raw potato	$7.7 \cdot 10$
Cabbage	$2.5 \cdot 10^4$
Salmon	$1.67 \cdot 10^5$

6 How many more Calories are in chicken breast than in salmon?

Solve. Show your work.

8 A flight from Singapore to New York includes a stopover at Hawaii. The distance between Singapore and Hawaii is about $6.7 \cdot 10^3$ miles. The distance between New York and Hawaii is about $4.9 \cdot 10^3$ miles. Write each sum or difference in scientific notation.

a) Find the total distance from Singapore to New York.

b) Find the difference in the length of the two flights.