

## Solving Rate Problems

Sometimes we can find and use more than one unit rate to solve a problem.

Suppose a grocery store is having a sale on shredded cheese. A small bag that holds 8 ounces is sold for \$2. A large bag that holds 2 kilograms is sold for \$16. How do you know which is a better deal?

Compare dollars per kilogram:

Cheese (small bag)	Cost (dollars)
8 ounces = $\frac{1}{2}$ pound	2
1 pound	4
2.2 pounds $\approx$ 1 kilogram	$4.00 \cdot 2.2$ $= 8.80$

Cheese (large bag)	Cost (dollars)
2 kilograms	16
1 kilogram	$16 \div 2 = 8$

The large bag is a better deal, because it costs less money for the same amount of cheese.

Compare ounces per dollar:

Cheese (large bag)	Cost (dollars)
2 kilograms = 2000 grams	16
$2000 \div 16 = 125$ grams $\approx$ 4.4 ounces	1

Cheese (small bag)	Cost (dollars)
8 ounces	2
4 ounces	1

The large bag is a better deal, because you get more cheese for the same amount of money.

# 5 3 Solving Rate Problems Big Ideas Math

**J Dewey**



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