We can use unit rates to help determine which item is cheaper when the items are different sizes. For example: Pasta A costs $1.20 for 10 oz. while Pasta B costs $1.50 for 12 oz. Which pasta is cheaper per ounce?

\[
\text{Pasta A} = \frac{1.20}{10 \text{ oz.}} = 0.12/\text{oz.} \quad \text{Pasta B} = \frac{1.50}{12 \text{ oz.}} = 0.125/\text{oz.}
\]

Pasta A is cheaper per ounce than Pasta B.

Decide which item is the better purchase in each scenario below. In addition, state how much you will save per item.

1. 12 car washes for $100
   \text{or}
   5 car washes for $45

2. 12 oz. bag of chips for $3.40
   \text{or}
   a 3 oz. bag for $0.75

3. 20 oz. bottle of soda for $1.80
   \text{or}
   12 oz. bottle for $1.25

4. A dozen bagels for $7.80
   \text{or}
   a pack of 3 bagels for $2.10

5. 10 pencils for $2.40
   \text{or}
   32 pencils for $7.00.

6. Martha sells apples in 5 lb. bags for $3.80,
   \text{or}
   Steve sells apples in 3 lb. bags for $2.25.
The Better Buy

We can use unit rates to help determine which item is cheaper when the items are different sizes. For example: Pasta A costs $1.20 for 10 oz. while Pasta B costs $1.50 for 12 oz. Which pasta is cheaper per ounce?

\[
\text{Pasta A} = \frac{\$1.20}{10 \text{ oz.}} = \$0.12/\text{oz.} \quad \text{Pasta B} = \frac{\$1.50}{12 \text{ oz.}} = \$0.125/\text{oz.}
\]

Pasta A is cheaper per ounce than Pasta B.

Decide which item is the better purchase in each scenario below. In addition, state how much you will save per item.

1. 12 car washes for $100
   or
   5 car washes for $45

   12 car washes is cheaper by about $0.67 per wash

2. 12 oz. bag of chips for $3.40
   or
   a 3 oz. bag for $0.75

   3oz. bag is cheaper by about $0.03 per ounce

3. 20 oz. bottle of soda for $1.80
   or
   12 oz. bottle for $1.25

   20 oz. bottle of soda by about $0.01 per ounce

4. A dozen bagels for $7.80
   or
   a pack of 3 bagels for $2.10

   A dozen bagels by $0.05 per bagel

5. 10 pencils for $2.40
   or
   32 pencils for $7.00

   A pack of 32 pencils by about $0.02 per pencil

6. Martha sells apples in 5 lb. bags for $3.80,
   or
   Steve sells apples in 3 lb. bags for $2.25.

   The 3 lb. bag by $0.01 per pound