

Name: _____

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?

$$\text{Pasta A} = \frac{\$1.20}{10 \text{ oz.}} = \$0.12/\text{oz.}$$

$$\text{Pasta B} = \frac{\$1.50}{12 \text{ oz.}} = \$0.125/\text{oz.}$$

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

2 12 oz. bag of chips for \$3.40

or

a 3 oz. bag for \$0.75

3 20 oz. bottle of soda for \$1.80

or

12 oz. bottle for \$1.25

4 A dozen bagels for \$7.80

or

a pack of 3 bagels for \$2.10

5 10 pencils for \$2.40

or

32 pencils for \$7.00.

6 Martha sells apples in 5 lb. bags for \$3.80,

or

Steve sells apples in 3 lb. bags for \$2.25.

Name: _____

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?

$$\text{Pasta A} = \frac{\$1.20}{10 \text{ oz.}} = \$0.12/\text{oz.}$$

$$\text{Pasta B} = \frac{\$1.50}{12 \text{ oz.}} = \$0.125/\text{oz.}$$

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

2 12 oz. bag of chips for \$3.40

or

a 3 oz. bag for \$0.75

12 car washes is cheaper by about \$0.67 per wash

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

3 20 oz. bottle of soda for \$1.80

or

12oz. bottle for \$1.25

4 A dozen bagels for \$7.80

or

a pack of 3 bagels for \$2.10

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

A dozen bagels by \$0.05 per bagel

5 10 pencils for \$2.40

or

32 pencils for \$7.00

6 Martha sells apples in 5 lb. bags for \$3.80,

or

Steve sells apples in 3 lb. bags for \$2.25.

A pack of 32 pencils by about \$0.02 per pencil

The 3 lb. bag by \$0.01 per pound