

# What's the Best Buy?

One day you're going to be earning your own money and need to go shopping for food. You'll probably have a set budget for how much you can spend, so understanding how to work out and compare unit rates for different products can save you money in the long run and keep you on budget!

The best buy is not necessarily the cheapest buy. Some things might appear to cost more up front but because they contain more product per unit rate they will last longer. That's what makes them the best buy!



Use a selection of online shopping supermarket websites or other store websites to search for the 14 products listed. Your mission is to find the best buys!

To do this, you'll need to work out the unit rates for either 100g or 100ml or the cost of a single item. Write your answers to 2 or 3 decimal places depending on the number you're calculating. Then compare them, work out which product is the best buy and **highlight** it on your sheet.

## Quick Reminder:

100 grams  $\times$  10 = 1 kilogram and 100 millilitres  $\times$  10 = 1 litre

When you're done, add up your total spend and compare with your friends.

**Who got the best buys? Whose total was larger or smaller?**



You can search for your products in 3 different ways:

**1** Choose the **same product brand** but **different sizes**.  
200g vs 500g.

**2** Choose the **same product size** but find a **different brand**, both products are 500ml but a different brand.

**3** Choose the **same product brand and size** but from a **different supermarket or store**.

Here's an example of what yours should look like:

You're buying...	Product 1	Product 2	Best Buy!
Tuna	<b>Brand:</b> Fresh Fish Tuna  Chunks in Water	<b>Brand:</b> Fresh Fish Tuna  Chunks in Water	
	Size: 185g	Size: 425g	
	Price: \$3.40	Price: \$6.60	
	<b>Which supermarket or store?</b> Golden Grocery	<b>Which supermarket or store?</b> Golden Grocery	
	<b>Working Out:</b> $\div \frac{\$3.40}{185g} = \frac{\$0.018}{1g}$ $\frac{\$0.018 \times 100}{1g \times 100} = \frac{\$1.80}{100g}$	<b>Working Out:</b> $\div \frac{\$6.60}{425g} = \frac{\$0.015}{1g}$ $\frac{\$0.015 \times 100}{1g \times 100} = \frac{\$1.50}{100g}$	
<b>Unit Rate per 100g:</b> \$1.80	<b>Unit Rate per 100g:</b> \$1.50	<b>Best Buy!</b> \$6.60	

<i>You're buying...</i>	<i>Product 1</i>	<i>Product 2</i>	<i>Best Buy!</i>
<i>Peanut Butter</i>	<i>Brand:</i>	<i>Brand:</i>	
<i>Breakfast Cereal</i>			
<i>Rice</i>			
<i>Tomato Sauce</i>	<i>Size:</i>	<i>Size:</i>	
<i>Biscuits</i>			
<i>Pasta</i>	<i>Price:</i>	<i>Price:</i>	
<i>Cheese</i>			
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100g:</i>	<i>Unit Rate per 100g:</i>	<i>Best Buy!</i> \$

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<i>Breakfast Cereal</i>			
<i>Rice</i>			
<i>Tomato Sauce</i>	<i>Size:</i>	<i>Size:</i>	
<i>Biscuits</i>			
<i>Pasta</i>	<i>Price:</i>	<i>Price:</i>	
<i>Cheese</i>			
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100g:</i>	<i>Unit Rate per 100g:</i>	<i>Best Buy!</i> \$

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<i>Biscuits</i>			
<i>Pasta</i>	<i>Price:</i>	<i>Price:</i>	
<i>Cheese</i>			
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
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<i>Biscuits</i>			
<i>Pasta</i>	<i>Price:</i>	<i>Price:</i>	
<i>Cheese</i>			
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100g:</i>	<i>Unit Rate per 100g:</i>	<i>Best Buy!</i> \$

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<i>Tomato Sauce</i>	<i>Size:</i>	<i>Size:</i>	
<i>Biscuits</i>			
<i>Pasta</i>	<i>Price:</i>	<i>Price:</i>	
<i>Cheese</i>			
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
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<i>Biscuits</i>			
<i>Pasta</i>			
<i>Cheese</i>	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
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<i>Biscuits</i>			
<i>Pasta</i>	<i>Price:</i>	<i>Price:</i>	
<i>Cheese</i>			
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100g:</i>	<i>Unit Rate per 100g:</i>	<i>Best Buy!</i> \$

<i>You're buying...</i>	<i>Product 1</i>	<i>Product 2</i>	<i>Best Buy!</i>
Milk Olive Oil Orange Juice Dishwashing Liquid	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100ml:</i>	<i>Unit Rate per 100ml:</i>	

<i>You're buying...</i>	<i>Product 1</i>	<i>Product 2</i>	<i>Best Buy!</i>
Milk Olive Oil Orange Juice Dishwashing Liquid	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100ml:</i>	<i>Unit Rate per 100ml:</i>	

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Milk Olive Oil Orange Juice Dishwashing Liquid	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100ml:</i>	<i>Unit Rate per 100ml:</i>	

<i>You're buying...</i>	<i>Product 1</i>	<i>Product 2</i>	<i>Best Buy!</i>
Milk Olive Oil Orange Juice Dishwashing Liquid	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Unit Rate per 100ml:</i>	<i>Unit Rate per 100ml:</i>	

<i>You're buying...</i>	<i>Product 1</i>	<i>Product 2</i>	<i>Best Buy!</i>
<i>Eggs</i> <i>Burger Buns</i> <i>AA Batteries</i>	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
	<i>Price per single item:</i>	<i>Price per single item:</i>	

<i>You're buying...</i>	<i>Product 1</i>	<i>Product 2</i>	<i>Best Buy!</i>
<i>Eggs</i> <i>Burger Buns</i> <i>AA Batteries</i>	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
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<i>Eggs</i> <i>Burger Buns</i> <i>AA Batteries</i>	<i>Brand:</i>	<i>Brand:</i>	
	<i>Size:</i>	<i>Size:</i>	
	<i>Price:</i>	<i>Price:</i>	
	<i>Which supermarket or store?</i>	<i>Which supermarket or store?</i>	
	<i>Working Out:</i>	<i>Working Out:</i>	
<i>Price per single item:</i>	<i>Price per single item:</i>	<i>Best Buy!</i> \$	
<i>Grand Total for the Best Buys!</i>			\$



# What's the Best Buy?

Hi there,

This resource is all about maths in the real world! Knowing how to calculate and understand unit rates when you're going grocery shopping is a key life skill and this will give your students plenty of practise at it. You could easily extend this into a home task where they can put their newly learned skills into action with the family shopping.

As well as division and multiplication skills in this resource, there is also consolidation of measurement knowledge, working with decimals to 2 or 3 places plus some addition right at the end. A calculator will likely be necessary for this activity, although you may have some very capable students who thrive on figuring everything out without one. You know your students best in this situation.

**Special note:** Some of the websites may already have the unit prices listed so you may want to screenshot some different products (minus the unit rates) and print off a sheet that students can use as their reference. If that's in the 'no time to do it' basket, don't panic! Even if students work backwards from the unit rate given on the websites and work out how it was calculated, that's still valuable skill development.

We hope you and your students enjoy using this resource!

Team Twinkl