

# Surf's Up!

You need  a classmate

## Activity

Two surf shops in the same part of town sell similar products, but their prices vary. At sale time, both shops are competing for the same customers.

1. For each item below:
  - a. At which shop is the item cheaper?
  - b. How much cheaper is the item than the same item at the other shop?

50% is easy! That's  $\frac{1}{2}$ .  
But how do I find 30%?

Well, my strategy for working out the discount is to find 10% first.

	<b>The Surf Shop</b> Sale: 30% off everything in store!	<b>Surf the Waves Company</b> Up to 50% off all items in store!
i. sweatshirt	 Price: \$60 less 30%	 Price: \$72 less 40%
ii. jacket	 Price: \$120 less 30%	 Price: \$96 less 20%
iii. jeans	 Price: \$48 less 30%	 Price: \$68 less 45%
iv. tracksuit	 Price: \$86 less 30%	 Price: \$64 less 25%

2. If you bought one of each item of clothing:
  - a. What would be the least you could spend?
  - b. What would be the most you could spend?
  - c. How much do you save by buying the cheapest items?
3. Make up some sale comparison problems for a classmate to solve.