

Sunscreen number crunch!

VELS Levels 3 and 4
 VELS Domain
 • Mathematics



If all of these sunscreens had the same ingredients and were the same quality, which sunscreen is best value for money?

1. Find out the cost of sunscreen per ml. The first one has been done as an example.

When you find the answer, round the answer up (if it's 0.06 or more) or down (if it's 0.05 or less) to two decimal places.

2. Which sunscreen works out to be the cheapest for a family to use? _____

Sunscreen	Amount of sunscreen in bottle	Cost	Sum	Cost per ml
EXAMPLE	250ml	\$28.00	$28 \div 250 = 0.112$	0.11 cents
SUNSCREEN BRAND A	110ml	\$11.50		
SUNSCREEN BRAND B	35ml	\$8.00		
SUNSCREEN BRAND C	110ml	\$13.20		
SUNSCREEN BRAND D	250ml	\$22.50		
SUNSCREEN BRAND E	350ml	\$35.00		

Q: When you have completed the tables on both pages, decide which sunscreen you would buy in the supermarket?

A: SUNSCREEN BRAND _____

Why? _____



Jan 2012



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3. Work out how many days are left until the sunscreen expires. If today's date was Tuesday, 1st September, 2012 (01.09.12), how many more days could you use each sunscreen for?

Hint: Don't forget how many days are in each month. Also 2012 is a leap year. Do you know what that means?

Date: 1st September, 2012 (01.09.12)	Expiry date:	Sum	Number of days until sunscreen expires
EXAMPLE	31 st December 2012	30 (Sep)+ 31 (Oct)+ 30 (Nov) + 31 (Dec) = 122	122 days
SUNSCREEN BRAND A	15 th February, 2013		
SUNSCREEN BRAND B	14 th November, 2012		
SUNSCREEN BRAND C	31 st August 2013		
SUNSCREEN BRAND D	1 st January 2014		
SUNSCREEN BRAND E	31 st March, 2015		