# Green Efficient subtraction

Which method is the most efficient?	Which method is the most efficient?	
390 - 310 =      column method	965 - 342 =	
True or false? Counting on in hundreds to find the difference would be an efficient method of solving this calculation. <b>845 - 345</b>	True or false? Adding one to both numbers before using a mental method would be an efficient method of solving this calculation. 799 - 399	
285 people are on the beach. 132 of them leave. How many people are left?	There are 845 trees in a forest. 820 are chopped down. How many trees are left?	
<ul> <li>Count on in twos.</li> <li>Use a column method.</li> </ul>	<ul> <li>Use a column method.</li> <li>Find the difference by counting in fives.</li> </ul>	
Which is the most efficient method?	Which is the most efficient method?	
Which method would you use for each calculation? 896 - 351 782 - 732	Which method would you use for each calculation? 247 - 147 582 - 370	
Counting On Column Method	Partition Counting On	

# Yellow Efficient subtraction



# Red Efficient subtraction

Use the different methods below to solve 4,556 – 499. Tick the one that is the most efficient.		Complete the calculation choosing the most efficient method.	
A. B. Subtract using the Add 1 to b	<b>_</b>		the most encient method.
column method. numbers	first. number line.		1,025 - 995 =
	499	4,556	count column partition
Sort the calculations by Then complete the cal	0		Complete the calculation choosing the most efficient method.
partition	column d	lifference	
			5,789 - 399 =
8,000 - 2,754	6,135 - 2,496		take one add one count on
4,736 - 2 9,200 - 3,716	2,958 7,853 – 2,5 3,889 – 2,850	50	off both to both
4,000 - 1		23	
Match the calculation	s with the most efficier	nt method.	Leon says,
Match each subtraction to the mo	A. 6,781 – 1,564	4 =	An efficient way of completing the problem is to calculate the total cost of the furniture, then count on in hundreds to find out how much money she has left.
add 25 to both numbers	<ul> <li>B. 7,000 - 691</li> <li>C. 1,625 - 475</li> </ul>		Holly has £3,500. She buys a sofa for £2,156 and a chair for £644. How much does she have left?
			Is he correct? Prove it.
Oscar has £4,000. He buys a gam nuch money does he have left? Us A. Add the cost of the console and to ogether, then subtract from the am begin with. B. Add the two items together. Take	e both methods below to solve t the controller ount he had to		Amy says, An efficient way of completing the problem is to find the total cost of the items, then use a column method to subtract it from the amount he started with.
And off the amount of money he ha Now subtract those amounts.	d at the start.	-	Arthur has £4,000. He buys a bike for £869 and a skateboard for £128. How much does he have left?
	an ana wny.		Is she correct? Prove it.

# Green Answers Efficient subtraction

Which method is the most efficient?	Which method is the most efficient?	
Count on in tens as both numbers are multiples of ten. 390 – 310 = 80.         column method       count on in tens	965 - 342 = Column method as neither number is a multiple of 10 and they are too far apart to count in tens. 965 - 342 = 623.	
True or false? Counting on in hundreds to find the difference would be an efficient method of solving this calculation.	True or false? Adding one to both numbers before using a mental method would be an efficient method of solving this calculation.	
845 – 345 <b>True</b>	799 – 399 <b>True</b>	
<ul> <li>285 people are on the beach. 132 of them leave. How many people are left?</li> <li>Count on in twos.</li> <li>Use a column method.</li> </ul>	<ul> <li>There are 845 trees in a forest. 820 are chopped down. How many trees are left?</li> <li>Use a column method.</li> <li>Find the difference by counting in fives.</li> </ul>	
285 – 132 = 153. Use a column method as only one number is a multiple of two and they are too far apart.	845 – 820 = 25. Both numbers are close together and are multiples of five, so finding the difference by counting on in fives would be efficient.	
Which method would you use for each calculation? 896 – 351 782 – 732	Which method would you use for each calculation? 247 – 147 582 – 370	
Counting On782 – 732Column Method896 – 351Yell	Partition         582 – 370           Counting On         247 – 147	

# **Efficient subtraction**



# Red Answers Efficient subtraction

Use the different methods below to solve 4,556 – 499. Tick the one that is the most	Complete the calculation choosing the most efficient method.
4,556 – 499 = 4,057. B is the most efficient method.	the most enicient method.
column method. numbers first. number line.	
#	Counting on in tens would eliminate he need to exchange. 1,025 – 995 = 30.
499 4,556	count column partition
Sort the calculations by choosing the most efficient method. Then complete the calculation using the method chosen.	Complete the calculation choosing
men complete the calculation using the method chosen.	Adding one to both numbers
partition column difference	eliminates the need to exchange. 5,790 – 400 = 5,390 could then be
3,889 - 2,850 = 1,039       7,612 - 4,923 = 2,689       4,000 - 1,382 = 2,618	completed mentally.
7,853 - 2,550 = 5,303 6,135 - 2,496 = 3,639 9,200 - 3,716 = 5,484	take one off bothadd one to bothcount on
4,736 - 2,958 = 1,778 8,000 - 2,754 = 5,246	
Match the calculations with the most efficient method.	
A = 5,217 (column); B = 6,309 (take 1 from both numbers); C = 1,150 (add 25 to both	Leon says, An efficient way of
numbers) (take 1 from both numbers) A. 6,781 – 1,564 =	completing the problem is to calculate the total cost of
	He is correct. The items cost £2,800 in
	total. It should be easy to count on in hundreds to £3,500. The answer is £700.
column method         C. 1,625 - 475 =	Holly has £3,500. She buys a sofa for £2,156 and a chair for £644. How much does she have left?
	Is he correct? Prove it.
	Amy says,
B is more efficient as it's easier to calculate £3,999 – £498, than £4, eliminates the need to exchange. Oscar will have £3,501 left.	
B. Add the two items together. Take 1 off that total and off the amount of money he had at the start.       +       -         Now subtract those amounts.       -       -         Explain which method is most efficient and why.       -       -	She is incorrect because a column method would result in lots of exchanges. She should add 3 to 997 and then count on in 1000's. The answer is £3,003.