

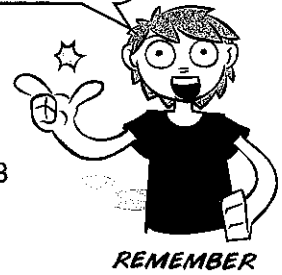
Subtraction mental strategies – split strategy

Remember that
215 is 200 + 10 + 5

When subtracting large numbers in our heads it can be easier to split the number to be subtracted into parts and work with each part separately.

$$468 - 215 \begin{cases} 200 \\ 10 \\ 5 \end{cases} \rightarrow 468 - 200 = 268 \rightarrow 268 - 10 = 258 \rightarrow 258 - 5 = 253$$

$$468 - 215 = 253$$



1 Practise splitting these numbers into hundreds, tens and units. The first one is done for you.

a $356 = 300 + 50 + 6$

b $289 = \underline{\hspace{2cm}}$

c $867 = \underline{\hspace{2cm}}$

d $923 = \underline{\hspace{2cm}}$

e $442 = \underline{\hspace{2cm}}$

f $294 = \underline{\hspace{2cm}}$

2 Use the split strategy to subtract:

a $468 - 316$

b $574 - 155$

c $457 - 323$

$468 - 300 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - 10 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - 6 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$468 - 316 = \underline{\hspace{2cm}}$

$574 - 155 = \underline{\hspace{2cm}}$

$457 - 323 = \underline{\hspace{2cm}}$

3 Work out the answers to these questions then cross out the letter above each answer in the puzzle. The letters that remain will form the answer to the riddle.

a $484 - 74 = \boxed{\hspace{2cm}}$

b $400 - 80 = \boxed{\hspace{2cm}}$

c $406 - 106 = \boxed{\hspace{2cm}}$

d $410 - 40 = \boxed{\hspace{2cm}}$

e $403 - 13 = \boxed{\hspace{2cm}}$

f $455 - 60 = \boxed{\hspace{2cm}}$

g $497 - 92 = \boxed{\hspace{2cm}}$

h $505 - 25 = \boxed{\hspace{2cm}}$

i $520 - 25 = \boxed{\hspace{2cm}}$

j $795 - 150 = \boxed{\hspace{2cm}}$

k $410 - 100 = \boxed{\hspace{2cm}}$

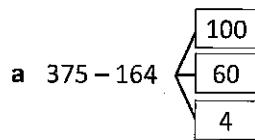
S	Y	H	O	U	E	R	X	E	L	A
300	195	410	305	150	320	505	370	595	405	200

K	Z	R	I	D	R	J	U	M	V	A
390	495	220	395	210	385	480	500	205	645	310

Riddle: What is the most rhythmic part of your body?

Subtraction mental strategies – split strategy

4 These problems have been completed. Are they correct? If not, circle where it all began to go wrong:

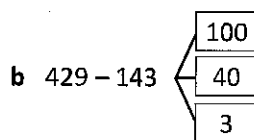


$$375 - 100 = 275$$

$$275 - 60 = 215$$

$$215 - 4 = 211$$

$$375 - 164 = 211$$

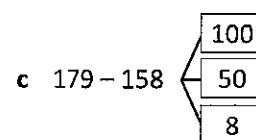


$$429 - 100 = 323$$

$$323 - 4 = 319$$

$$319 - 3 = 316$$

$$429 - 143 = 316$$



$$179 - 100 = 79$$





$$79 - 50 = 39$$

$$39 - 8 = 31$$

$$179 - 158 = 31$$

5 The following problems require you to add and subtract. Use the split strategy to help you solve them:

Four different families went on a holiday over Easter. Work out the distance that each car has travelled on the missing days:

	 Robertsons	 Pankhursts	 Cailes	 Darnleys
Day 1	125 km	225 km		130 km
Day 2	375 km		525 km	
Day 3		110 km	125 km	270 km
Total distance	735 km	836 km	950 km	695 km

Make as many notes as you need to help you:

6 Assuming that each family started their holiday from the same place, work out where each family was at the end of Day 2. Connect the place with the family by drawing a line:

Family	Place
Robertsons	Damp 'n Crazy Water Park – 726 km
Darnleys	The Big Baboon – 825 km
Pankhursts	Insect Museum – 425 km
Cailes	The Giant Toothbrush – 500 km