

Let's Go for a Swim!

One hot day, the Jones family decided to go for a swim to cool down. Dad and Mitch wanted to go to the beach, but Gran and Sarah wanted to go to the pool.

Dad and Mitch argued that the beach was better. "You can lay on the sand and build sandcastles at the beach," they said. "You can also body surf in the waves and eat fish and chips."

Gran and Sarah argued that the pool was better. "You don't get sand in your swimsuit in the pool," they explained. "You also don't get knocked over in the surf by big waves and there are no jellyfish that might sting you."

In the end, the family remembered that there was a swimming pool at the beach. When they got there, Dad and Mitch went swimming in the surf, whilst Gran and Sarah dangled their legs in the pool. Everyone was happy and cool.

On their way home, they stopped in at a fish and chip shop for a delicious dinner.



Name _____

Date _____

Let's Go for a Swim!

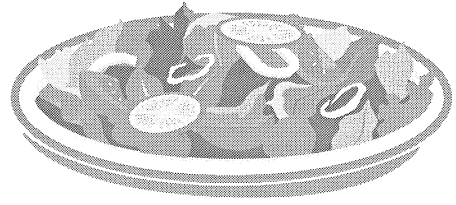
1. Why do Dad and Mitch like the beach more than the pool?

2. Why do Gran and Sarah like the pool more than the beach?

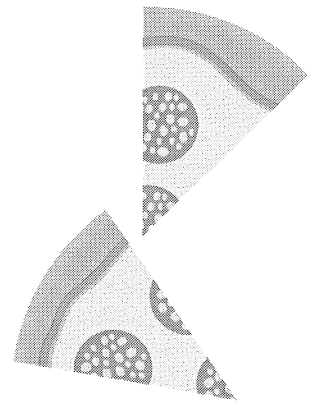
3. What are two positive comments that you could say about the beach that you could also say about the pool?

4. Which would you prefer, the beach or the pool?
Explain why.

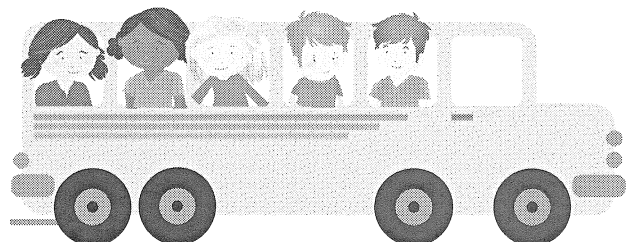
1. 100 people attended a charity dinner. $\frac{1}{4}$ of them paid \$40, $\frac{1}{2}$ paid \$65 and the remaining guests paid \$92. How much money did the charity dinner raise?



2. 45 students and 2 teachers are at a pizza party. 23 students want 2 pieces of pizza and the remaining students and teachers want 3 pieces. Each pizza has 8 pieces. How many pizzas should they order?



3. It is 8.30 am. Kim is waiting for the 10.45 am bus. Buses arrive every 15 minutes. How many buses will Kim see before she leaves?



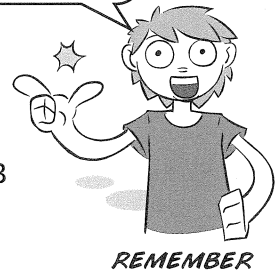
Subtraction mental strategies – split strategy

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 $457 - 323$

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

$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - 10 = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - 6 = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

$\underline{\hspace{1cm}} - \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

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

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

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

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:

a $375 - 164$

100
60
4

$$375 - 100 = 275$$

$$275 - 60 = 215$$

$$215 - 4 = 211$$

$$375 - 164 = 211$$

b $429 - 143$

100
40
3

$$429 - 100 = 323$$

$$323 - 4 = 319$$

$$319 - 3 = 316$$

$$429 - 143 = 316$$

c $179 - 158$

100
50
8

$$179 - 100 = 79$$

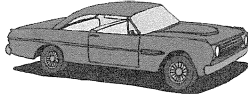

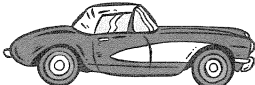

$$79 - 50 = 39$$

$$39 - 8 = 31$$

$$179 - 158 = 31$$

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

Robertsons

Darnleys

Pankhursts

Cailes

Place

Damp 'n Crazy Water Park – 726 km

The Big Baboon – 825 km

Insect Museum – 425 km

The Giant Toothbrush – 500 km



Getting ready

Work out the answers to these sums in your head. Each answer matches a letter in the list on the right. Write the letters next to your answers, then unjumble the letters to find the name of a city.



What to do

Try competing with a friend to be the fastest to do all of the sums and work out the names of the three cities.

- a** $701 + 126 =$ Letter _____
- $501 + 81 =$ Letter _____
- $810 + 117 =$ Letter _____
- $304 + 205 =$ Letter _____
- $810 + 17 =$ Letter _____
- $230 + 626 =$ Letter _____

The city is _____

- b** $293 + 216 =$ Letter _____
- $811 + 111 =$ Letter _____
- $650 + 130 =$ Letter _____
- $610 + 57 =$ Letter _____
- $380 + 32 =$ Letter _____

The city is _____

- c** $816 + 40 =$ Letter _____
- $913 + 62 =$ Letter _____
- $751 + 105 =$ Letter _____
- $830 + 79 =$ Letter _____
- $882 + 93 =$ Letter _____
- $471 + 111 =$ Letter _____

The city is _____

Code

- A = 922
- B = 754
- C = 141
- D = 582
- E = 927
- F = 735
- G = 222
- H = 358
- I = 780
- J = 989
- K = 481
- L = 909
- M = 398
- N = 856
- O = 975
- P = 667
- Q = 555
- R = 412
- S = 509
- T = 538
- U = 656
- V = 1110
- W = 1150
- X = 716
- Y = 827
- Z = 1907