

# Estimate answers

1 Filip is working out  $607 + 395$

He rounds his numbers to the nearest hundred to estimate the answer.

a) Complete the sentences.

607 rounded to the nearest hundred is

395 rounded to the nearest hundred is

Filip's estimate for the answer is

+  =

b) Use column addition to work out the actual answer.

	Th	H	T	O
		6	0	7
+		3	9	5
	1	0	0	2
	1	1	1	

The actual answer is

2 Alex is working out  $7,958 - 6,103$

Alex rounds her numbers to the nearest thousand to estimate the answer.

a) Complete the sentences.

7,958 rounded to the nearest thousand is

6,103 rounded to the nearest thousand is

Alex's estimate is

-  =

b) Use column subtraction to work out the actual answer.

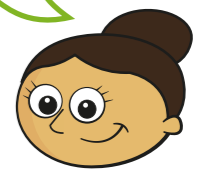
	Th	H	T	O
	7	9	5	8
-	6	1	0	3
	1	8	5	5

The actual answer is

3 Mr Howell writes a subtraction on the board.

$795 - 503$

I estimate the answer will be close to 200 because  $700 - 500 = 200$



What mistake has Dora made?

Write a better estimate.

$795$  rounds to  $800$  not  $700$

$800 - 500 = 300$

4 a) Tom is estimating an addition calculation.

His estimate is  $3,000 + 1,000 = 4,000$

Write three possible additions Tom could be estimating.

E.g.

+  =

+  =

+  =

b) Dani is estimating a subtraction calculation.

Her estimate is  $\pounds 600 - \pounds 100 = \pounds 500$

Write three possible subtractions Dani could be estimating.

E.g.

$\pounds 601$	-	$\pounds 107$	=	$\pounds 494$
$\pounds 649$	-	$\pounds 130$	=	$\pounds 519$
$\pounds 550$	-	$\pounds 72$	=	$\pounds 478$

5 Complete the table. Show your workings.

Question	Estimated answer	Accurate answer
$3,970 \text{ km} - 1,850 \text{ km}$	$2,000 \text{ km}$	$2,120 \text{ km}$
$7,076 - 852$	$6,000$	$6,224$
$7,076 - 652$	$6,000$	$6,424$
$1,994 \text{ ml} + 1,994 \text{ ml}$	$4,000 \text{ ml}$	$3,988 \text{ ml}$

6 Whitney and Dexter are estimating the answer to  $2,706 - 1,394$

Whitney's estimate is  $3,000 - 1,000 = 2,000$

Dexter's estimate is  $2,700 - 1,400 = 1,300$

Whose estimate is more accurate? Why?

Dexter's because he has rounded to the nearest  
100

7 A forest has 2,638 trees.



1,172 more trees are planted.

a) Use rounding to estimate the number of trees in the forest now.

$3,800$

b) Work out the actual number of trees in the forest.

$3,810$

c) How accurate was your estimate?

