



Year 3 – Maths – Addition and subtraction

Key vocabulary

add

total

plus

sum

more

altogether

difference

subtract

less

minus

take away

column addition

column subtraction

exchange

estimate

inverse operation

solve problems

number facts

place value

Estimate

Estimate by dividing the hundred into 250 and 225.

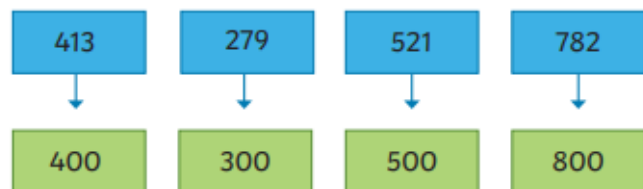
Estimate 10s (330, 340) between 325 and 350.



Estimate $167 - 89$

Use near numbers $170 - 90 = 80$

Near numbers:



Key questions

Estimate the following sum...

Solve ____ using column addition.

Subtract ____ from ____ using column subtraction.

Will exchanging be needed in the following question? Explain how you know.

Links to other learning

Year 2 – Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100; Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:

- a two-digit number and 1s
- a two-digit number and 10s
- 2 two-digit numbers
- adding 3 one-digit numbers;

Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot; use inverse to check calculations.

Year 4 – Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate; Estimate and use inverse operations to check answers to a calculation; Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

3-digit and 1-digit numbers

Not crossing 10s

$$268 - 4 = 264$$

Hundred	Ten	Ones

$$343 + 6 = 349$$



Crossing 10s (Exchanging)

324		
300	20	4
300	10	14

$$316 + 8 = 324$$

316	8

$$324 - 8 = 316$$

3-digit and 2-digit numbers

Add and subtract tens

Hundred	Ten	Ones

$$451 + 3 \text{ tens} = 481 \quad (5 + 3 = 8)$$

$$451 - 4 \text{ tens} = 411 \quad (5 - 4 = 1)$$

Crossing 10s (Exchanging)

$$258 + 80 = 338$$

- Column method
- Count in 10s mentally
- Add 100, subtract 20

Crossing 10 and 100

$$\begin{array}{r} 368 \\ +73 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 3131 \\ 441 \\ -73 \\ \hline 368 \end{array}$$

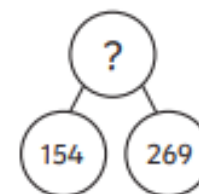
3-digit numbers

Not crossing

$$679 - 351 = 328$$

Hundred	Ten	Ones

Crossing 10s (Exchanging)



$$\begin{array}{r} 269 \\ +154 \\ \hline 423 \\ 11 \end{array}$$

514	
268	?

$$\begin{array}{r} 4101 \\ 514 \\ -268 \\ \hline 246 \end{array}$$

Add and Subtract 100s

$$284 + 300 = 584$$

Hundred	Ten	Ones