

How to help at home

Y3 addition and subtraction

You could use anything for counters such as smarties or Lego!



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
●● ●●	●●●● ●●●●	●

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

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

Crossing 10s (Exchanging)

$$258 + 80 = 338$$

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

Crossing 10 and 100

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

$$\begin{array}{r} 368 \\ - 73 \\ \hline 8 \end{array}$$

3-digit numbers

Not crossing

$$679 - 351 = 328$$

Hundred	Ten	Ones
●●●● ●●●●	●●●● ●●●●	●●●●●● ●●●●●●

Crossing 10s (Exchanging)

?	269
154	269

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

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

Add and Subtract 100s

$$284 + 300 = 584$$

Hundred	Ten	Ones
●●●● ●●●●	●●●●●● ●●●●●●	●

Y3 multiplication and division You could use anything for counters such as smarties or Lego!

Written Multiplication Methods - No Regrouping

Tens	Ones
	
	
	

$23 \times 3 = 69$		
	T	O
	2	3
$\times$		3
	6	9

Written Multiplication Methods - With Regrouping

Tens	Ones
	
	
	
	

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$24 \times 4 = 96$		
	T	O
	2	4
$\times$		4
	9	6
	1	

Written Division Methods - No Regrouping

Tens	Ones
	
	
	
	

	2	1
4	8	4

$84 \div 4$

$80 \div 4$ $4 \div 4$

Written Division Methods - With Regrouping

Tens	Ones
	
	
	

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	1	5
3	4	¹ 5

$45 \div 3$

$30 \div 3$ $15 \div 3$