



Subtracting Hundreds from a 3-Digit Number



LO: to subtract hundreds from a 3-digit number

Calculate the answer to the following:

1) $353 - 200 =$

2) $416 - 400 =$

3) $531 - 300 =$

4) $789 - 500 =$

5) $564 - 300 =$

6) $820 - 600 =$

7) $707 - 500 =$

8) $919 - 700 =$

Calculate the answer to the following:

9) $268 - 200 =$

10) $416 - 100 =$

11) $547 - 300 =$

12) $346 - 100 =$

13) $564 - 400 =$

14) $893 - 600 =$

15) $507 - 500 =$

16) $919 - 400 =$

Challenge

Take any 3-digit number. You can subtract 100, 200, 300 or 400 once each, but you must not go below 0.

e.g. $672 - 100 = 572$, $572 - 300 = 272$, $272 - 200 = 72$.

100, 300 and 200 were subtracted to get to 72.

Can you always get to a number between or equal to 100 and 1?

If you use as many subtractions as possible, are there any patterns?



Subtracting Hundreds from a 3-Digit Number



LO: to subtract hundreds from a 3-digit number

Calculate the answer to the following:

1) $353 - 200 = 153$

2) $416 - 400 = 16$

3) $531 - 300 = 231$

4) $789 - 500 = 289$

5) $564 - 300 = 264$

6) $820 - 600 = 220$

7) $707 - 500 = 207$

8) $919 - 700 = 219$

Calculate the answer to the following:

9) $268 - 200 = 68$

10) $416 - 100 = 316$

11) $547 - 300 = 247$

12) $346 - 100 = 246$

13) $564 - 400 = 164$

14) $893 - 600 = 293$

15) $507 - 500 = 7$

16) $919 - 400 = 519$

Challenge

Take any 3-digit number. You can subtract 100, 200, 300 or 400 once each, but you must not go below 0.

e.g. $672 - 100 = 572$, $572 - 300 = 272$, $272 - 200 = 72$.

100, 300 and 200 were subtracted to get to 72.

Can you always get to a number between or equal to 100 and 1?

If you use as many subtractions as possible, are there any patterns?

The principle of this activity is using 1, 2, 3 and 4 to make all numbers to 9 (1, 2, 3, 4, $4+1$ or $3+2$, $1+2+3$ or $4+2$, $1+2+4$ or $3+4$, $1+3+4$, $2+3+4$). Use these to make the required multiples of 100.