STRATEGY

Adding Three-Digit Numbers and Ones (Part 1)

Strategy

$562 + 7 = (500 + 60 + 2) + 7$ ❏ Expand the three-digit number into hundreds, tens, and ones.

$= (500 + 60) + (2 + 7)$ ❏ Group the ones.

$= 560 + 9$ ❏ Add the numbers to find the answer.

$= \mathbf{569}$

Solve each problem mentally.

1. $272 + 5 =$

2. $190 + 3 =$

3. $455 + 4 =$

4. $761 + 7 =$

5. $283 + 6 =$

6. $830 + 9 =$

7. $725 + 2 =$

8. $321 + 8 =$

9. $185 + 4 =$

10. $863 + 3 =$

Adding Ones

1. Add and compare the problems. Most of the time the hundreds' digit doesn't change.

a. $33 + 4 =$ $133 + 4 =$	**b.** $77 + 9 =$ $677 + 9 =$	**c.** $83 + 9 =$ $683 + 9 =$	**d.** $15 + 8 =$ $315 + 8 =$
e. $65 + 2 =$ $265 + 2 =$	**f.** $94 + 6 =$ $494 + 6 =$	**g.** $27 + 9 =$ $327 + 9 =$	**h.** $44 + 9 =$ $744 + 9 =$

2. Write...

   a. ...every second number.

521	523			
531				

   b. ...every fourth number.

714	718			

3. Add.

a.	**b.**	**c.**	**d.**
$235 + 4 = \_\_\_\_$	$671 + 9 = \_\_\_\_$	$983 + 8 = \_\_\_\_$	$714 + 8 = \_\_\_\_$
$167 + 2 = \_\_\_\_$	$527 + 5 = \_\_\_\_$	$294 + 6 = \_\_\_\_$	$327 + 6 = \_\_\_\_$
$477 + 7 = \_\_\_\_$	$898 + 8 = \_\_\_\_$	$691 + 5 = \_\_\_\_$	$546 + 9 = \_\_\_\_$

4. Find two numbers that could go on the empty lines - but don't use zero.

a. $131 + \_\_\_\_ + \_\_\_\_ = 139$	**d.** $552 + \_\_\_\_ + \_\_\_\_ = 557$
b. $765 + \_\_\_\_ + \_\_\_\_ = 770$	**e.** $552 + \_\_\_\_ + \_\_\_\_ = 562$
c. $765 + \_\_\_\_ + \_\_\_\_ = 772$	**f.** $474 + \_\_\_\_ + \_\_\_\_ = 482$

5. There is a time when the hundreds' digit does change, though. Continue the patterns:

a.	b.	c.	d.
95 + 5 =	293 + 6 =	694 + 5 =	995 + 4 =
95 + 6 =	293 + 7 =	694 + 6 =	995 + 5 =
95 + __ =	293 + 8 =	694 + 7 =	995 + 6 =
95 + __ =	293 + __ =	694 + __ =	995 + 7 =
95 + __ =	293 + __ =	694 + __ =	995 + 8 =
95 + __ =	293 + __ =	694 + __ =	995 + 9 =
95 + __ =	293 + __ =	694 + __ =	995 + 10 =

When you add to a number that has 'a 90', the sum may go over to the next hundred.

6. Add. Watch if the sum goes over to the next hundred.

a.	b.	c.	d.
393 + 8 = <u>401</u>	797 + 6 =	294 + 6 =	592 + 9 =
498 + 5 =	892 + 6 =	497 + 7 =	895 + 3 =
793 + 4 =	993 + 7 =	291 + 6 =	999 + 2 =
292 + 6 =	595 + 8 =	198 + 8 =	697 + 9 =

7. What is the missing addend?

a.	b.	c.	d.
125 + ___ = 128	175 + ___ = 182	695 + ___ = 701	229 + ___ = 234
295 + ___ = 304	824 + ___ = 833	599 + ___ = 604	354 + ___ = 360
661 + ___ = 671	99 + ___ = 106	517 + ___ = 522	822 + ___ = 831
356 + ___ = 359	468 + ___ = 488	306 + ___ = 313	892 + ___ = 901

8. What numbers do the animals represent in the problems? Write the answers into the table below, and then use the key to unveil the message.

763 + = 770

359 + = 361

637 + = 642

348 + = 352

569 + = 571

498 + = 501

225 + = 233

384 + = 390

194 + = 203

Animal											
Número											
Letra											

PUZZLe coRNer Place numbers between **1 and 10** in the empty lines so the number sentence is true.

a.

465 + ____ + ____ = 478

465 + ____ + ____ = 478

465 + ____ + ____ = 478

465 + ____ + ____ = 478

465 + ____ + ____ = 478

b.

294 + ____ + ____ = 308

294 + ____ + ____ = 308

294 + ____ + ____ = 308

294 + ____ + ____ = 308

294 + ____ + ____ = 308

How many solutions are there to the problem in a.?   In b?