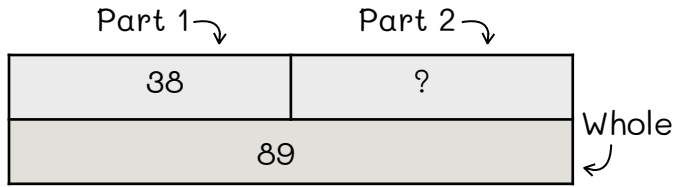


Name: _____

Date: _____

Part Part Whole (Strip Diagram)

“Part Part Whole” is a strategy to derive, if we need to do addition or subtraction to find the answer. It’s very effective strategy to sort the information while solving word problems.



For example:

Complete the following equation:

$$38 + \underline{\quad} = 89$$

Tips:

1. If the question mark is in “part” area, we do subtraction.
2. If the question mark is in “whole” area, we do addition.

$89 - 38 = \text{Part 2}$ Therefore; value of
 $51 = \text{part 2}$ part 2 (Answer) is 51.

Lindsey has 1500 marbles. She has 327 green marbles, 426 blue marbles, 229 red marbles, and the rest are purple marbles. How many purple marbles does she have?

Daniel has 318 bluebirds, 140 green birds, and 67 more red birds than bluebirds. How many birds does Daniel have in all?

A printing company had 5 boxes of fiction books and 7 boxes of non fiction books ready to ship. Each box holds 230 books. How many books in all are ready to ship?

Jenna read 260 pages in entire week. On day one she read 50 pages. On day two, she read 15 more pages than day one. On day three she read 20 less pages than day two. On day four and five she did not read at all. But she read 65 pages on day six. How many pages did Jenna read on day 7?

Part Part Whole (Strip Diagram)

Answer Key

Lindsey has 1500 marbles. She has 327 green marbles, 426 blue marbles, 229 red marbles, and the rest are purple marbles. How many purple marbles does she have?

327	426	229	?
1500			

$$1500 - (327 + 426 + 229) = 518$$

Daniel has 318 bluebirds, 140 green birds, and 67 more red birds than bluebirds. How many birds does Daniel have in all?

318	140	318 + 67
?		

$$318 + 140 + 385 = 843$$

A printing company had 5 boxes of fiction books and 7 boxes of non fiction books ready to ship. Each box holds 230 books. How many books in all are ready to ship?

(5 x 230)	(7 x 230)
?	

$$5 \times 230 = 1150$$

$$7 \times 230 = 1610 \quad 1150 + 1610 = 2760$$

Jenna read 260 pages in entire week. On day one she read 50 pages. On day two, she read 15 more pages than day one. On day three she read 20 less pages than day two. On day four and five she did not read at all. But she read 65 pages on day six. How many pages did Jenna read on day 7?

50	65	45	-	-	65	?
260						

$$260 - (50 + 65 + 45 + 65) = 35$$