LESSON MAKER PRO

Parts Make Totals

Use parts and wholes to add and subtract.

GRADE 3 · 3.PAR.2

3.PAR.2 "Use part-whole strategies to represent and solve real-life problems involving addition and subtraction with whole numbers up to 10,000."

NAME _____ DATE _____

PARTS AND WHOLES

A whole is made of parts. Add the parts to find the whole. Subtract a known part from the whole to find a missing part, then check by adding the parts.

WORKED EXAMPLE

A display has 2,468 stickers. Of those, 1,200 are animal stickers. How many are other stickers?

1. Whole = 2,468.
2. Known part = 1,200.
3. 2,468 - 1,200 = 1,268.
4. Check: 1,200 + 1,268 = 2,468.

Answer: 1,268 other stickers

PRACTICE 6 problems

1 3,427 = 1,846 + ___. Find the missing part.

ANSWER _____

2 4,108 + 2,735 = ___. Find the whole.

ANSWER _____

3 The whole is 7,000. One part is 2,659. Find the other part.

ANSWER _____

4 5,326 + 1,474 = ___. Find the whole.

ANSWER _____

5 The whole is 9,104. One part is 3,877. Find the other part.

ANSWER _____

6 The whole is 6,250. One part is 2,890. Find the other part.

ANSWER _____

APPLY IT Show your work

1 A reading club earned 6,780 points in one month. Members earned 2,945 points by reading books. They earned the rest of the points by writing book reviews. How many points did they earn by writing book reviews?

WORK SPACE

ANSWER _____

2 Students collected 9,000 cans for a food drive. One group collected 4,286 cans. The other group collected the rest. How many cans did the other group collect?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game club sorted 9,600 cards into three boxes. Box A has 2,875 cards. Box B has 3,420 cards. The rest are in Box C. How many cards are in Box C?

WORK SPACE AND ANSWER

ANSWER KEY

Parts Make Totals

GRADE 3 · 3.PAR.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	3,427 = 1,846 + ___. Find the missing part.	**1,581**
2	4,108 + 2,735 = ___. Find the whole.	**6,843**
3	The whole is 7,000. One part is 2,659. Find the other part.	**4,341**
4	5,326 + 1,474 = ___. Find the whole.	**6,800**
5	The whole is 9,104. One part is 3,877. Find the other part.	**5,227**
6	The whole is 6,250. One part is 2,890. Find the other part.	**3,360**

PART 2 · APPLY IT

1. **3,835 points** Subtract the reading points from the total points: 6,780 - 2,945 = 3,835.
2. **4,714 cans** Subtract the first group's cans from the total: 9,000 - 4,286 = 4,714.

CHALLENGE

3,305 cards

Accept correct part-whole equations, addition or subtraction methods, and standard algorithms. For the challenge, students may first add the two known parts, then subtract that sum from the whole.