LESSON MAKER PRO

Build the Whole

Find the total when you know one equal part.

GRADE 2 · 2.NS.3.c

2.NS.3.c "Compose the whole for a given fractional part and its value (in context) for halves, fourths, eighths, thirds, and sixths (e.g., when given 14, determine how many pieces would be needed to make 44)."

NAME _____ DATE _____

ONE PART TO WHOLE

A whole is made of equal parts. If you know the value of one part, count that same value once for each part in the fraction. For example, 1/6 means there are 6 equal parts in the whole.

WORKED EXAMPLE

1/4 of a puzzle tray has 3 puzzle pieces. How many puzzle pieces are in the whole tray?

1. 1/4 means the tray has 4 equal parts.
2. Each part has 3 puzzle pieces.
3. 3 + 3 + 3 + 3 = 12.

Answer: 12 puzzle pieces

PRACTICE 5 problems

1 1/2 of a pack has 7 trading cards. How many trading cards are in the whole pack?

ANSWER _____

2 1/4 of a box has 5 toy cars. How many toy cars are in the whole box?

ANSWER _____

3 1/8 of a sticker sheet has 2 star stickers. How many star stickers are on the whole sheet?

ANSWER _____

4 1/3 of a bag has 8 marbles. How many marbles are in the whole bag?

ANSWER _____

5 1/6 of a bracelet has 4 beads. How many beads are on the whole bracelet?

ANSWER _____

APPLY IT Show your work

1 Jada is making equal snack bags for 3 teams. One team gets 7 apple slices. How many apple slices does Jada need for all 3 teams?

WORK SPACE

ANSWER _____

2 A pet shelter has 6 equal cat rooms. One room has 4 cat toys. If every room has the same number of toys, how many cat toys are there altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

2/8 of a classroom shelf holds 14 books. Each eighth holds the same number of books. How many books can the whole shelf hold? Show your steps.

WORK SPACE AND ANSWER

ANSWER KEY

Build the Whole

GRADE 2 · 2.NS.3.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	1/2 of a pack has 7 trading cards. How many trading cards are in the whole pack?	**14 trading cards**
2	1/4 of a box has 5 toy cars. How many toy cars are in the whole box?	**20 toy cars**
3	1/8 of a sticker sheet has 2 star stickers. How many star stickers are on the whole sheet?	**16 star stickers**
4	1/3 of a bag has 8 marbles. How many marbles are in the whole bag?	**24 marbles**
5	1/6 of a bracelet has 4 beads. How many beads are on the whole bracelet?	**24 beads**

PART 2 · APPLY IT

1. **21 apple slices** There are 3 equal teams, and each team gets 7 apple slices. 7 + 7 + 7 = 21.
2. **24 cat toys** There are 6 equal rooms with 4 toys in each room. 4 + 4 + 4 + 4 + 4 + 4 = 24.

CHALLENGE

56 books. 14 ÷ 2 = 7, and 7 × 8 = 56.

Accept a numeral or a numeral with the correct object label. For the challenge, accept any correct reasoning that finds 7 books in each eighth and 56 books in all.