LESSON MAKER PRO

Divide It Up

Use parts to divide and check your answers.

GRADE 4 · 4.NOS.B.6

4.NOS.B.6 "Divide whole numbers with up to four-digit dividends and one-digit divisors with and without remainders. Apply estimation strategies to estimate quotients. Use strategies based on place value (e.g., partial quotients) to divide..."

NAME _____ DATE _____

DIVIDE BY PARTS

Split a number into parts that are easy to divide. Divide each part by the same number, then add the answers. If some are left over, write a remainder.

WORKED EXAMPLE

Use the strip to find its total divided by 6.

600	120	24

1. 600 + 120 + 24 = 744
2. 600 / 6 = 100; 120 / 6 = 20; 24 / 6 = 4
3. 100 + 20 + 4 = 124

Answer: 744 / 6 = 124

PRACTICE 4 problems

1 Divide: 936 / 3 = ___

ANSWER _____

2 Divide: 1,608 / 8 = ___

ANSWER _____

3 Estimate using 2,400, then divide: 2,436 / 4 = ___

ANSWER _____

4 Divide. Include a remainder if needed: 2,879 / 7 = ___

ANSWER _____

APPLY IT Show your work

1 A game club collects tickets in three rounds, as shown. It shares them equally among 4 teams. How many tickets does each team get?

Tickets	800	80	12

ANSWER _____

2 A school game booth packs 1,258 tokens into bags of 6. How many full bags can it make, and how many tokens remain?

WORK SPACE

ANSWER _____

CHALLENGE One step up

The strip shows stickers from three boxes. Share them equally among 7 students. How many does each student get, and how many are left? Write a multiplication equation to check.

Stickers	700	140	25

WORK SPACE AND ANSWER

ANSWER KEY

Divide It Up

GRADE 4 · 4.NOS.B.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Divide: 936 / 3 = ___	**312**
2	Divide: 1,608 / 8 = ___	**201**
3	Estimate using 2,400, then divide: 2,436 / 4 = ___	**Estimate: 600; exact quotient: 609**
4	Divide. Include a remainder if needed: 2,879 / 7 = ___	**411 R2**

PART 2 · APPLY IT

1. **223 tickets** The strip shows 892 tickets. Divide 800, 80, and 12 by 4, then add 200 + 20 + 3.
2. **209 full bags; 4 tokens remain** 1,258 / 6 = 209 R4. Check: 6 × 209 + 4 = 1,258.

CHALLENGE

123 stickers each, with 4 left; 7 × 123 + 4 = 865

Accept equivalent remainder wording. For the estimate, accept 600 based on 2,400 / 4.