LESSON MAKER PRO

Divide It Up

Use easy parts to divide big numbers.

GRADE 4 · 4.NBT.6

4.NBT.6 "Use strategies based on place value, the properties of multiplication, and/or the relationship between multiplication and division to find quotients and remainders with up to four-digit dividends and one-digit divisors..."

NAME _____ DATE _____

DIVIDE IN PARTS

Break a number into parts that are easy to divide. Add the quotients, then write any amount left over as a remainder.

WORKED EXAMPLE

Use the strip to divide the total by 6.

1200	240	24	] 1464

1. 1200 ÷ 6 = 200
2. 240 ÷ 6 = 40
3. 24 ÷ 6 = 4
4. 200 + 40 + 4 = 244

Answer: 244

PRACTICE 4 problems

1 Find 936 ÷ 4.

ANSWER _____

2 Find 735 ÷ 3.

ANSWER _____

3 Find 1247 ÷ 5.

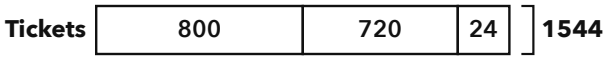
ANSWER _____

4 Find 2739 ÷ 7.

ANSWER _____

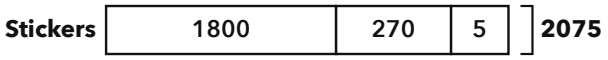
APPLY IT Show your work

1 The strip shows a game club's prize tickets. The club shares them equally among 8 teams. How many tickets does each team get?



ANSWER _____

2 The strip shows a class's stickers. The class puts 9 stickers on each card. How many full cards can they make, and how many stickers are left?



ANSWER _____

CHALLENGE One step up

Find 3987 ÷ 2. Write a multiplication equation to check your quotient and remainder.

WORK SPACE AND ANSWER

ANSWER KEY

Divide It Up

GRADE 4 · 4.NBT.6

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Find 936 ÷ 4.	**234**
2	Find 735 ÷ 3.	**245**
3	Find 1247 ÷ 5.	**249 R2**
4	Find 2739 ÷ 7.	**391 R2**

PART 2 · APPLY IT

1. **193 tickets** 800 ÷ 8 = 100, 720 ÷ 8 = 90, and 24 ÷ 8 = 3. Each team gets 193 tickets.
2. **230 full cards, 5 stickers left** 1800 ÷ 9 = 200 and 270 ÷ 9 = 30. The remaining 5 stickers do not fill a card.

CHALLENGE

1993 R1; 1993 × 2 + 1 = 3987.

Accept a remainder written as R2 or as 2 left over. For the challenge, accept any equivalent equation that checks both the quotient and remainder.