LESSON MAKER PRO

Division Mission

Use long division to share and group whole numbers.

GRADE 5 · 5.NR.2.2

5.NR.2.2 "Fluently divide multi-digit whole numbers (up to 4-digit dividends and 2-digit divisors no greater than 25) to solve practical problems."

NAME _____ DATE _____

DIVIDE WITH PLACE VALUE

Divide from left to right. At each step, divide, multiply, subtract, and bring down the next digit. If a number is left after you cannot make another full group, write it as a remainder.

WORKED EXAMPLE

Divide 1,872 by 18.

1. 18 goes into 18 one time. Write 1 in the hundreds place.
2. Multiply 1 × 18 = 18. Subtract 18 - 18 = 0, then bring down 7.
3. 18 goes into 7 zero times. Write 0, then bring down 2 to make 72.
4. 18 goes into 72 four times. Multiply 4 × 18 = 72, then subtract 72 - 72 = 0.

Answer: 1,872 / 18 = 104

PRACTICE 6 problems

1 Divide 936 by 12.

ANSWER _____

2 Divide 1,248 by 24.

ANSWER _____

3 Divide 3,150 by 15.

ANSWER _____

4 Divide 2,772 by 21.

ANSWER _____

5 Divide 4,095 by 25. Write the quotient and remainder.

ANSWER _____

6 A pencil factory packs 3,696 pencils equally into 22 boxes. How many pencils are in each box?

ANSWER _____

APPLY IT Show your work

1 A trading card club has 2,340 cards. The club puts the same number of cards into each of 15 binders. How many cards go in each binder?

WORK SPACE

ANSWER _____

2 A community garden has 3,864 seedlings. Volunteers place the seedlings equally into 24 trays. How many seedlings are in each tray?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game club earns 4,733 points and shares them equally among 19 teams. How many points does each team get, and how many points are left over? Show how multiplication checks your answer.

WORK SPACE AND ANSWER

ANSWER KEY

Division Mission

GRADE 5 · 5.NR.2.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Divide 936 by 12.	**78**
2	Divide 1,248 by 24.	**52**
3	Divide 3,150 by 15.	**210**
4	Divide 2,772 by 21.	**132**
5	Divide 4,095 by 25. Write the quotient and remainder.	**163 R20**
6	A pencil factory packs 3,696 pencils equally into 22 boxes. How many pencils are in each box?	**168 pencils**

PART 2 · APPLY IT

1. **156 cards** Divide 2,340 by 15. Each binder gets 156 cards.
2. **161 seedlings** Divide 3,864 by 24. Each tray holds 161 seedlings.

CHALLENGE

249 points per team, with 2 points left over. Check: 19 × 249 + 2 = 4,733.

Accept a remainder written as R20 or "remainder 20." For the challenge, accept any correct multiplication check that shows 19 × 249 = 4,731 and then adds 2.