Unit 5 Module 3 Session 2

Problems & Investigations- Sharing & Grouping Forum

Getting Ready-

- ™ T1 Sharing & Grouping Forum Planner
- ™ T3 Two Different Ways to Look at an Array
- SB 163-164 More Story Problems
- SB 166-167 More Arrays
- Colored tiles
- Red linear pieces
- Magic Wall/Magnetic Tiles
- Student Math Journals

Vocabulary

Array

Column

Dividend

Division

Divisor

Group

Quotient

Row

Share

- Interpret quotients of whole numbers and write story problems or describe problem situations to match a division/multiplication expression or equation
- Fluently divide with dividends to 100 using strategies
- Solve two-step story problems using multiplication and division
- Use construction criticism when reasoning with others

JOURNALS PLEASE

3 Ms. Rowan has 6 tables in her classroom, and 24 students. If she divides the students evenly among the tables, how many students will sit at each table?

4 Teresa has 24 stickers in her sticker book. Each page holds 6 stickers. How many pages does her sticker book have?

5 Steve baked 36 cookies. He put 4 cookies in each bag. How many bags of cookies did he have?

6 Craig gave his sister 4 boxes of new markers. She was happy to get 36 new markers. How many markers were in each box, if each box held exactly the same number of markers?

7 Ms. Allyn was getting ready for a math investigation. Each student needed 8 paperclips. She had 32 paperclips. How many students were able to do the investigation?

8 The math club was going on a field trip. They were driving 8 school vans. If there were 32 students in the math club, and each van took the same number of students, how many students went in each van?

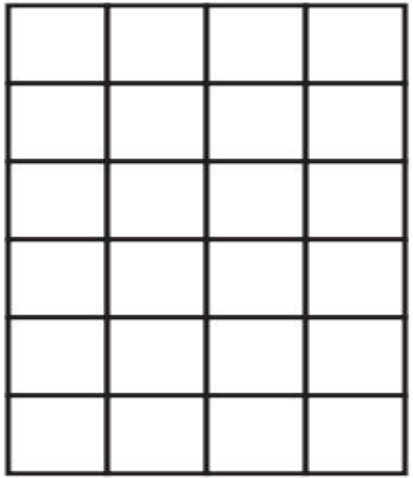
9 Each student in the gym class gathered 4 tennis balls. There were 25 students in the class. Then, the gym teacher divided the balls evenly into 20 different buckets. How many balls are in each bucket?

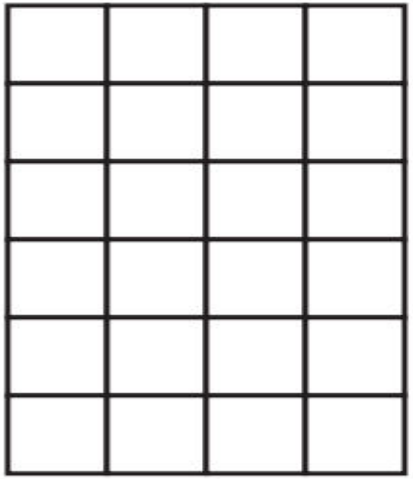
Which equation would help you solve this problem?

- ○ $(4 + 25) \times 20 = b$
- ○ $(4 \times 25) + 20 = b$
- ○ $(20 \div 4) - 24 = b$
- ○ $(4 \times 25) \div 20 = b$

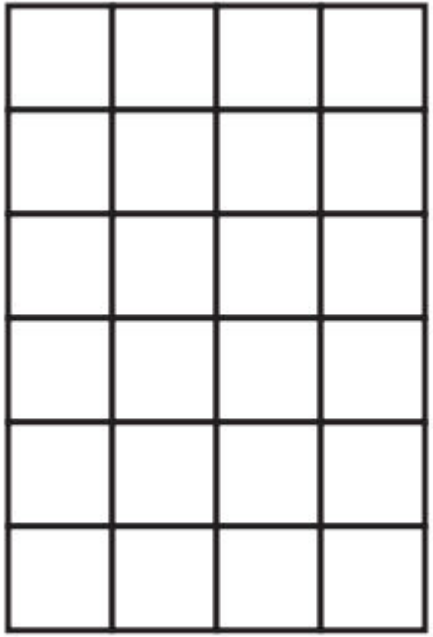
10 **CHALLENGE** Mr. Garner gathered $6.50 from each student going to a music festival. He needed to divide the money evenly to pay the field trip helpers: the bus driver, the lunchroom lady, the person running the festival, and the photographer. He has 26 students going to the festival. How much money did he pay each field trip helper?

Two Different Ways to Look at an Array





What do they notice about these arrays, aside from the fact that they're the same?

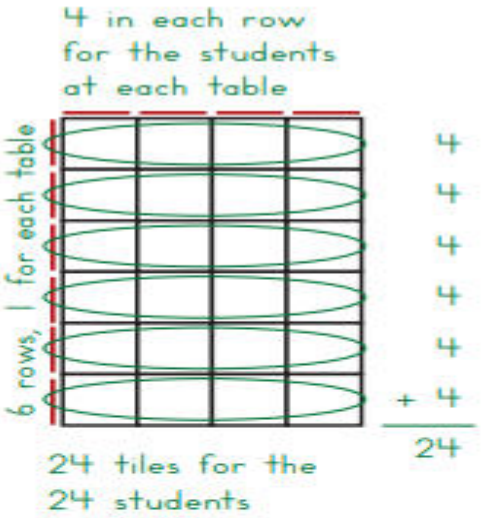


1 Ms. Rowan has 6 tables in her classroom, and 24 students. If she divides the students evenly among the tables, how many students will sit at each table?

a Equation:

b The answer to this problem tells

- ○ How many in each group
- ○ How many groups



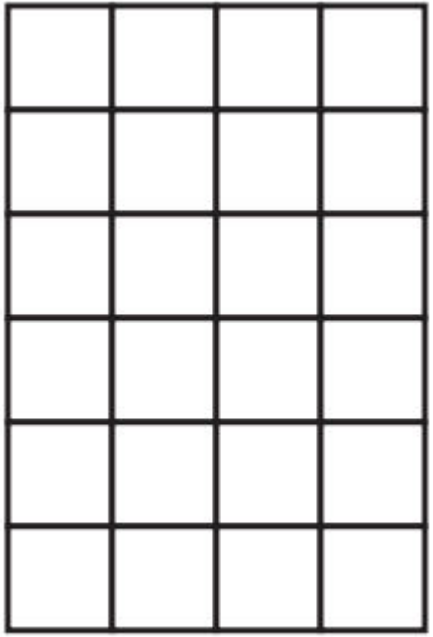
1 Ms. Rowan has 6 tables in her classroom, and 24 students. If she divides the students evenly among the tables, how many students will sit at each table?

a Equation:

$24 - 6 = 4$

b The answer to this problem tells

- [x] How many in each group
- [ ] How many groups



2 Teresa has 24 stickers in her sticker book. Each page holds 6 stickers. How many pages does her sticker book have?

a Equation:

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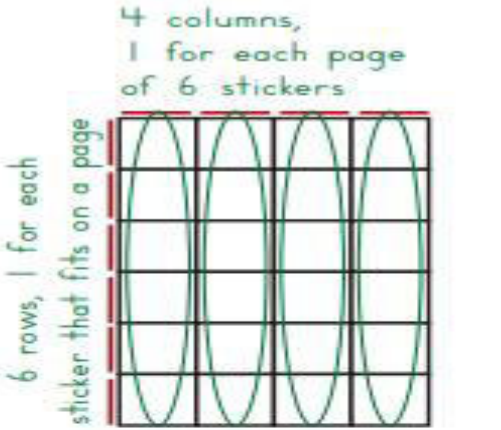
- ○ How many in each group
- ○ How many groups



6 + 6 + 6 + 6 = 24
24 tiles for the
24 stickers

2 Teresa has 24 stickers in her sticker book. Each page holds 6 stickers. How many pages does her sticker book have?

a Equation:

24 − 6 = 4

b The answer to this problem tells

- ○ How many in each group
- ● How many groups

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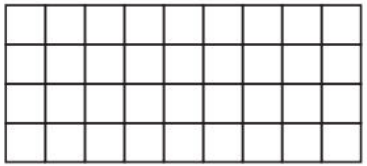
More Arrays page 1 of 2

For the arrays in each pair below:

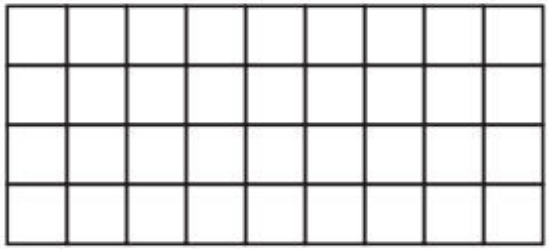
- Mark the array to show the number you started with (the dividend), the number you divided by (the divisor), and the answer (the quotient).
- Write an equation to represent the problem.
- Fill in the bubble to show whether you were trying to find the number in each group or the number of groups.

1 Steve baked 36 cookies. He put 4 cookies in each bag. How many bags of cookies did he have?



a Equation	**b** The answer to this problem tells ○ How many in each group ○ How many groups

2 Craig gave his sister 4 boxes of new markers. She was happy to get 36 new markers. How many markers were in each box, if each box held exactly the same number of markers?



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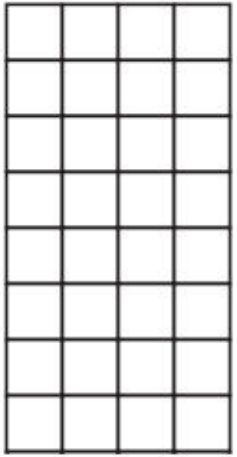

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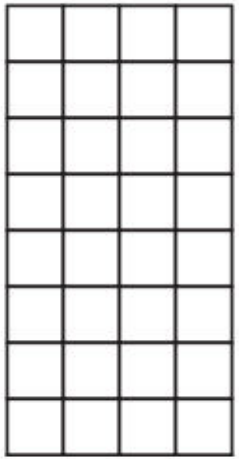

a Equation	**b** The answer to this problem tells ○ How many in each group ○ How many groups

Work Places

4A Tic-Tac-Tock

4B Measurement Scavenger Hunt

4C Target One Thousand

4D Hexagon Spin & Fill

5A Solving Game Store Problems

5B Scout them Out

Daily Practice

SB 168 Mixed Operations & Story Problems