

MAFS.5.NBT.2.6

Find whole number quotients of whole numbers with up to four digit dividends and two digit divisors.

- Estimate quotients before solving.
- Understand how to represent and solve whole number division problems in multiple ways.
- Understand the concept of division: sharing or grouping numbers into equal parts.
- Find whole number quotients.
- Divide whole numbers up to four digit dividends and two digit divisors.
- Use strategies based on place value and properties of operations.
- Identify the relationship between multiplication and division.
- Illustrate and explain the calculation by using equations, rectangular arrays and area models.

What is division?

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Division is determining how many are in each group.

Division is the inverse operation of Multiplication.

Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

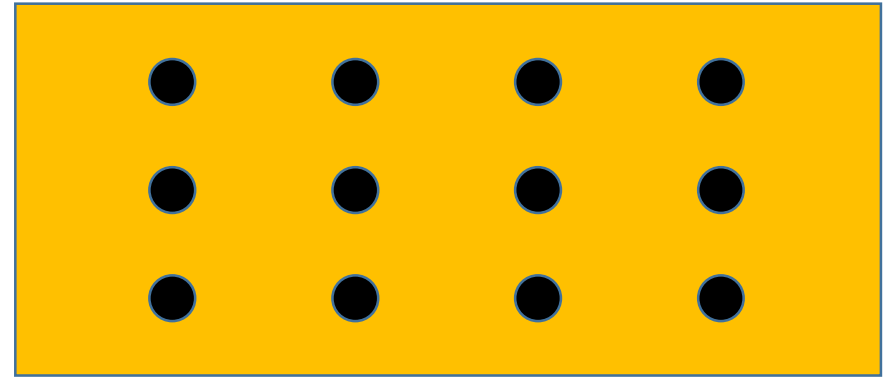
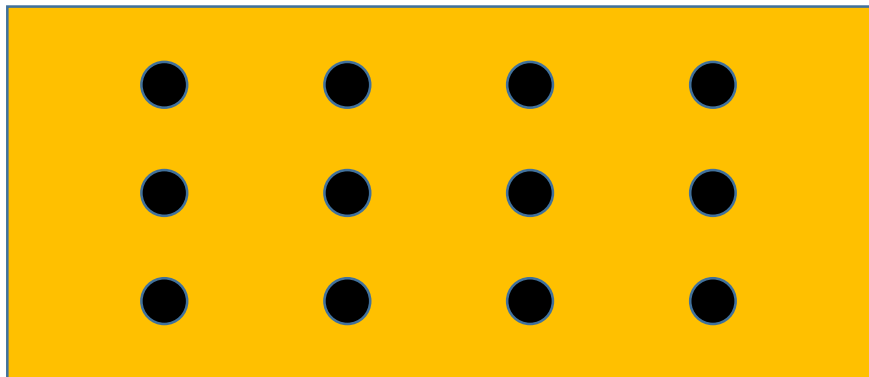
$$24 \div 2 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

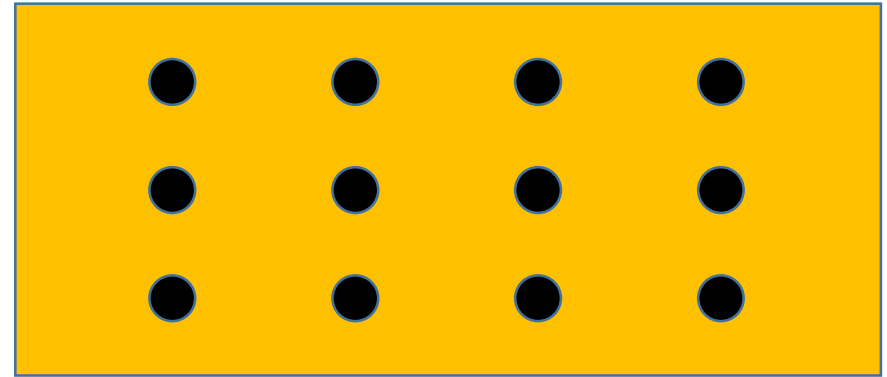
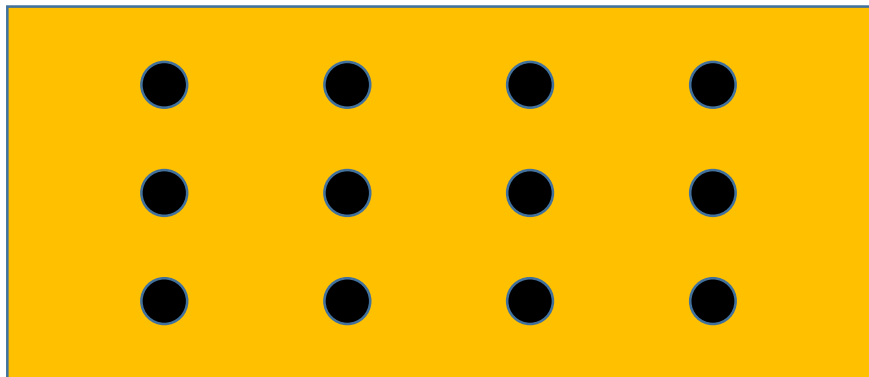
$$24 \div 2 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 2 = 12$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

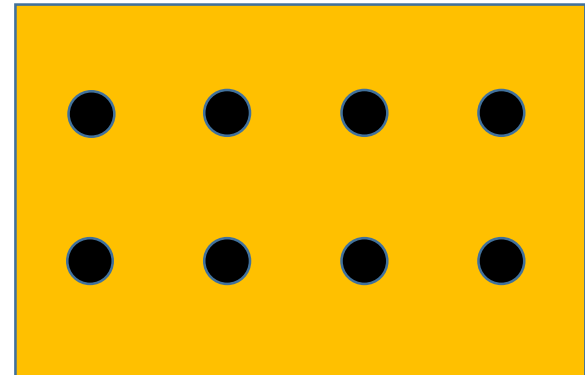
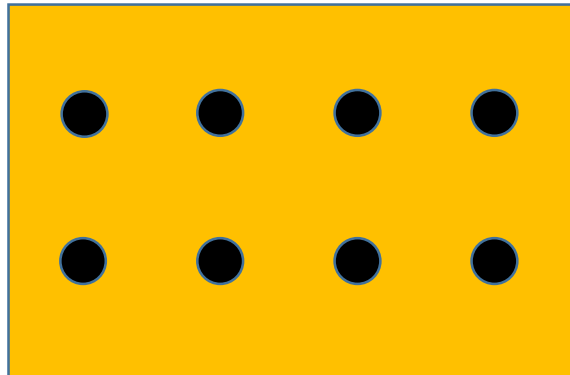
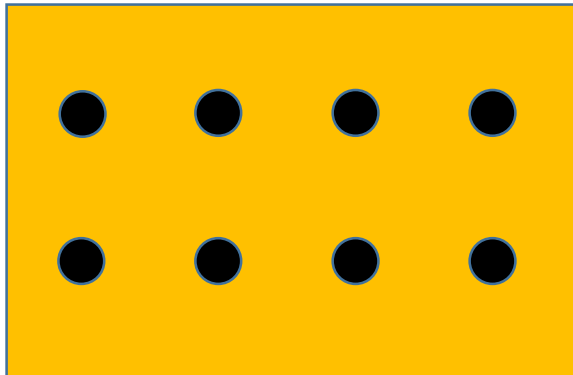
$$24 \div 3 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

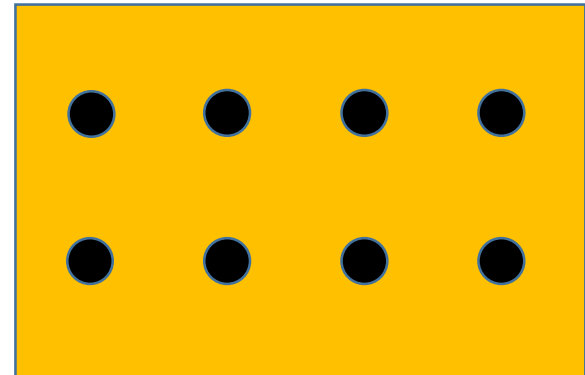
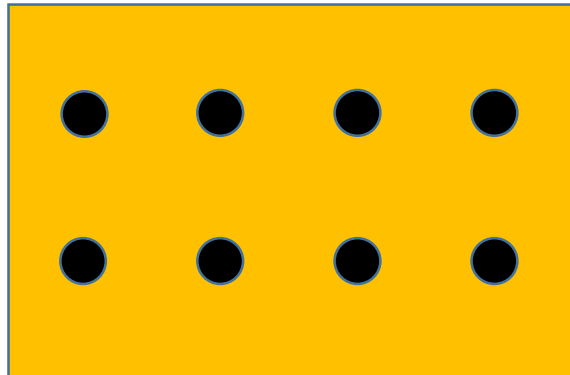
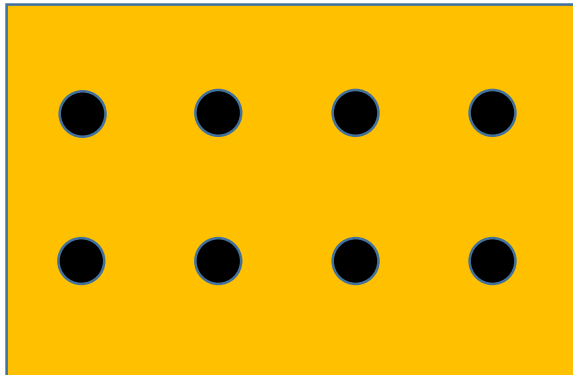
$$24 \div 3 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

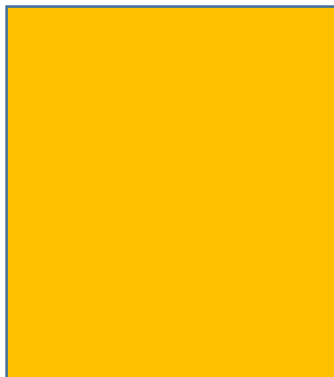
$$24 \div 3 = 8$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

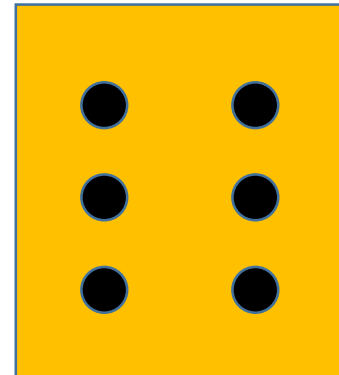
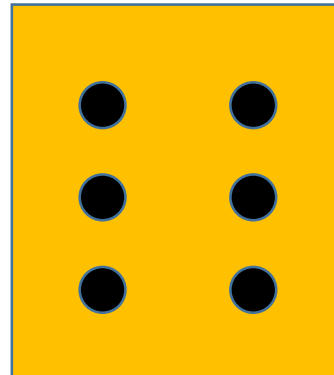
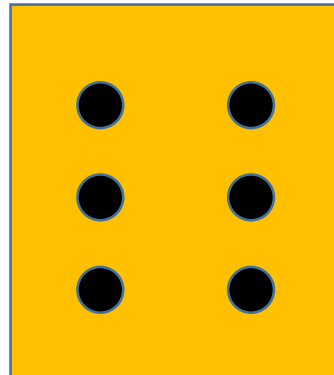
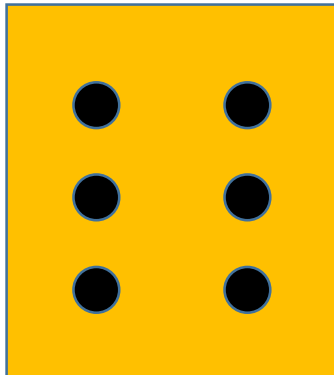
$$24 \div 4 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

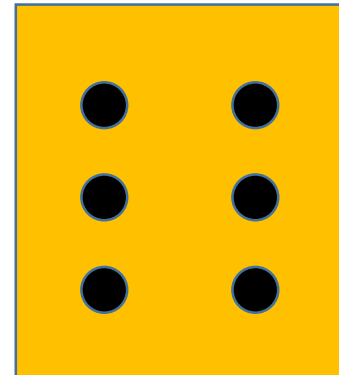
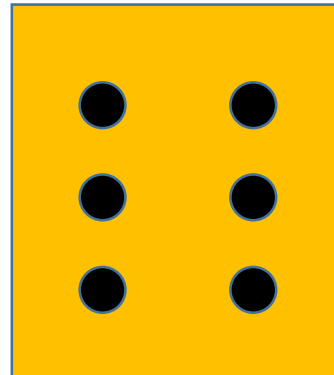
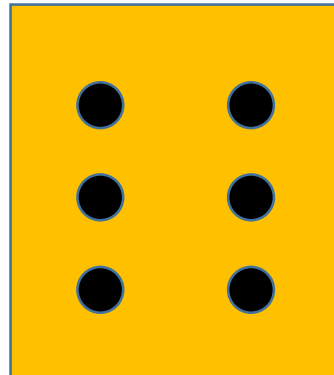
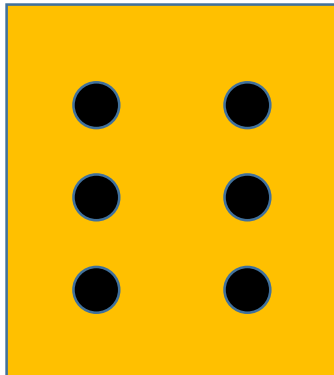
$$24 \div 4 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 4 = 6$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 2 = 12$$

$$24 \div 3 = 8$$

$$24 \div 4 = 6$$

Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 2 = 12$$

$$24 \div 12 = 2$$

$$24 \div 3 = 8$$

$$24 \div 8 = 3$$

$$24 \div 4 = 6$$

$$24 \div 6 = 4$$

Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

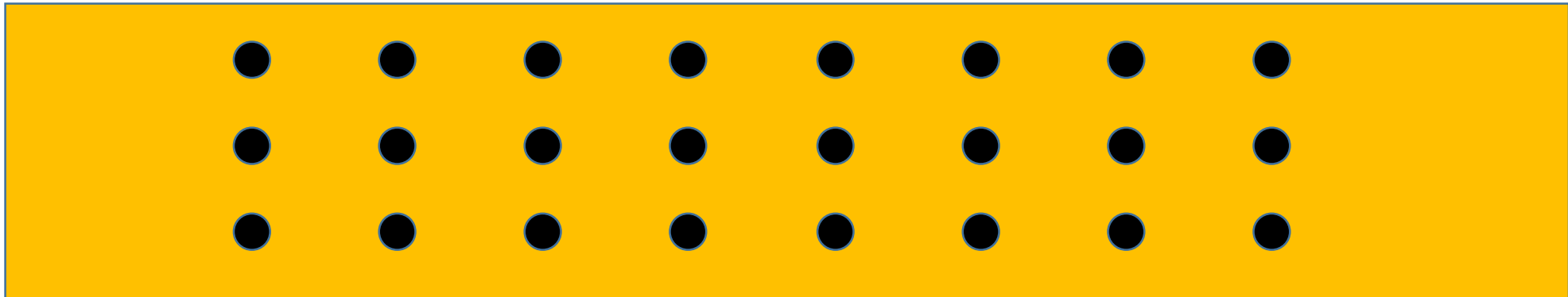
$$24 \div 1 = ?$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 1 = 24$$



Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 0 = ?$$

Division is sharing or grouping numbers into equal parts.

How many ways can the number 24 be shared or grouped into equal parts?

$$24 \div 0 = 0$$

Let's practice some Division! Get out your white boards and markers.

I will say a division problem like $21 \div 7$.

You will write the problem and solution on your white board. Then you will write a related division problem and the solution.

$$21 \div 7 = 3$$

$$21 \div 3 = 7$$