MATHEMATICS · KINDERGARTEN TO GRADE 3

Understanding division

Difficulty level: Easy

Mathematics: Kindergarten to Grade 3

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Overview of the concept

This is how you split a total into equal parts, like sharing a bag of apples between friends or working out how many boxes you need for a set of books. Division answers two questions at once, how big each share is, and how many shares you can make. That is why it comes up whenever something is shared, packed, or split fairly. It is the idea behind sharing food, packing boxes, or working out how many groups you can make from a total.



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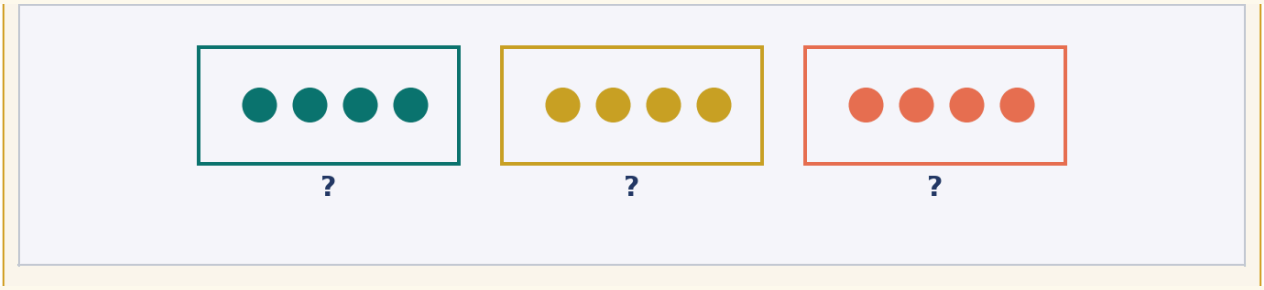
Worked examples

EXAMPLE 1

Q $12 \div 3 = ?$



SOLUTION

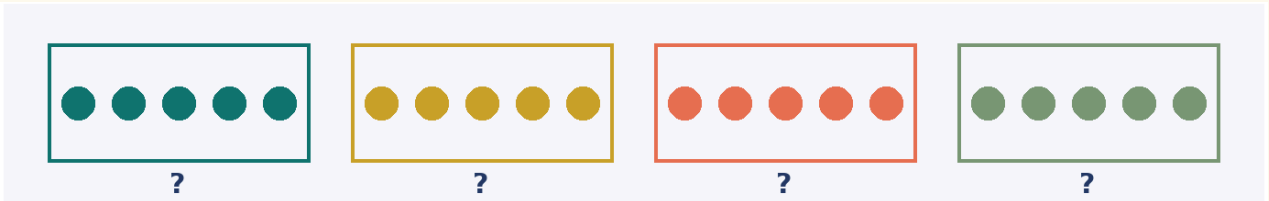
Start with 12 dots.

Split them into 3 equal groups.

Each group has 4 dots, so $12 \div 3 = 4$

EXAMPLE 2

Q $20 \div 4 = ?$



SOLUTION

Start with 20 dots.

Split them into 4 equal groups.

Each group has 5 dots, so $20 \div 4 = 5$

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Practice questions

1. 15 cookies are shared equally among 3 friends. How many cookies does each friend get?

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2. 24 stickers are shared equally among 8 children. How many stickers does each child get?

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3. A ribbon 18 cm long is cut into 3 equal pieces. How long is each piece?

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4 You have 10 dollars. You spend the same amount each day for 5 days. How much do you spend each day?

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5 20 children stand in 4 equal rows for a photo. How many children are in each row?

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6 A baker packs 16 cupcakes into boxes of 4. How many boxes does she fill?

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7 A rope 9 m long is cut into pieces 3 m long. How many pieces are there?

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8 You read 12 pages in 3 nights, the same number each night. How many pages do you read each night?

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9 30 children are split into 5 equal teams. How many children are on each team?

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10 You save 40 dollars in 8 weeks, the same amount each week. How much do you save each week?

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ANSWER KEY

1. 5

2. 3

3. 6

4. 2

5. 5

6. 4

7. 3

8. 4

9. 6

10. 5

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