MATHEMATICS · KINDERGARTEN TO GRADE 3

Addition using objects and pictures

Difficulty level: Easy

Mathematics: Kindergarten to Grade 3

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Overview of the concept

This is how children first learn what adding means. They put real groups together, like two piles of toys or apples, and count how many there are altogether. That hands-on picture is the foundation everything else in addition is built on, because it shows that adding means combining groups into one bigger group.



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Worked examples

EXAMPLE 1

Q Draw 3 stars, then draw 4 more. How many?



SOLUTION

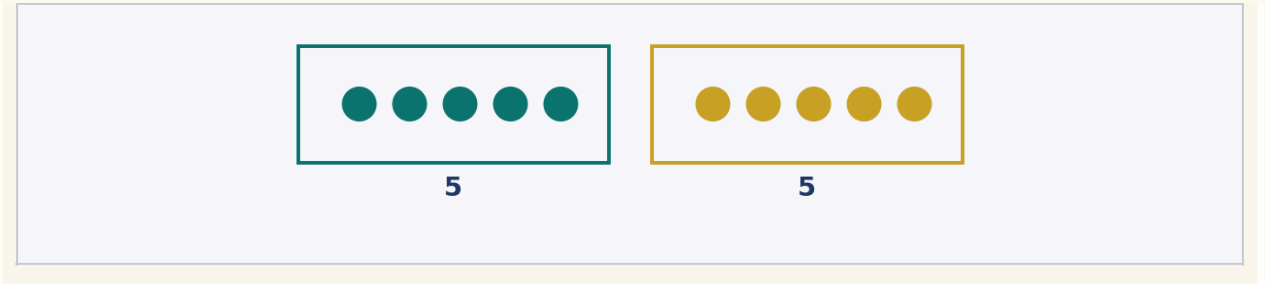
Draw a group of 3 stars.

Draw a second group of 4 stars beside it.

Count all the stars: 7, so 3 + 4 = 7

EXAMPLE 2

Q You lay out 5 counters, then 5 more counters. How many counters are there altogether?



SOLUTION

Lay out 5 counters.

Lay out 5 more counters.

Count them all: 10, so 5 + 5 = 10

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Practice questions

1 Maya bakes 3 blueberry muffins and 4 chocolate muffins for a school fair. How many muffins did Maya bake in all?

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2 A farmer picks 6 carrots from one row and 5 carrots from the next row. He counts 10 carrots. Is he right?

A Yes

B No

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3 Leo has a box that holds 10 crayons. He has already put in 6 crayons. How many more crayons does Leo need to fill the box?

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4 Ana draws 2 stars, then 7 more stars. Which number sentence shows how many stars she drew in all?

- **A** 2 + 7 = 9
- **B** 7 – 2 = 5
- **C** 2 + 7 = 8
- **D** 2 × 7 = 14

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5 Which total is greater: 8 beads and 3 beads, or 5 goldfish and 5 goldfish?

- **A** 8 + 3
- **B** 5 + 5
- **C** They are equal

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6 A pet shop has 5 goldfish in one tank and 5 goldfish in another tank. How many goldfish are there in the two tanks together?

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7 Lay out 2 rows with 3 counters in each row. How many counters are there altogether?

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8 There are 9 ducks in a pond. Then 2 more ducks swim in. How many ducks are in the pond now?

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9 What is 7 + 3?

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10 A baker puts 6 cupcakes on one tray, 6 cupcakes on a second tray, and 6 cupcakes on a third tray. How many cupcakes are on the three trays in all?

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ANSWER KEY

1. 7

2. No

3. 4

4. 2 + 7 = 9

5. 8 + 3

6. 10

7. 6

8. 11

9. 10

10. 18

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