MATHEMATICS · KINDERGARTEN TO GRADE 3

Multi-digit addition

Difficulty level: Easy

Mathematics: Kindergarten to Grade 3

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Overview of the concept

This is how you add up numbers too big for one digit, like adding two prices together at the shops or totalling a score over several rounds. When the numbers get bigger than a single digit, you need a method that keeps the columns straight so nothing gets lost. You use it to add up a shopping bill, to total points over a game, or to work out the combined cost of two big purchases.



Rule

Add column by column from the right, ones first, then tens, then hundreds.

If a column adds to ten or more, write the ones digit and carry the ten into the next column.

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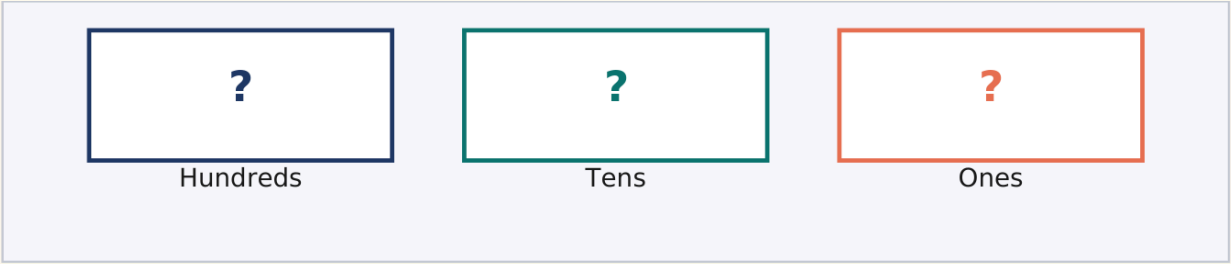
Worked examples

EXAMPLE 1

Q $24 + 35 = ?$



SOLUTION

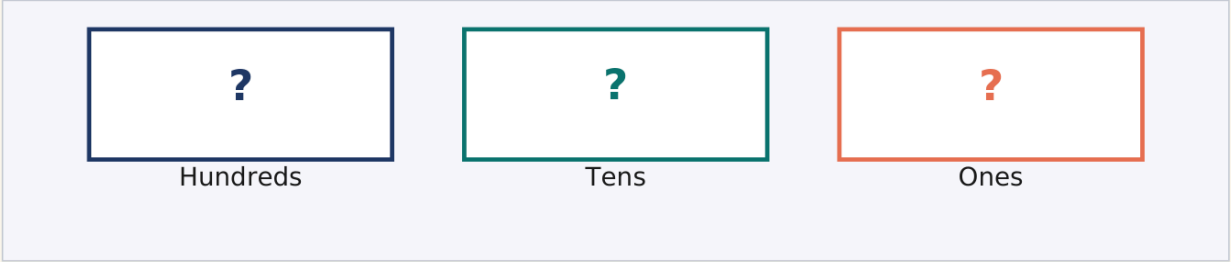
Add the ones: 4 + 5 = 9

Add the tens: 20 + 30 = 50

Put them together: 50 + 9 = 59

EXAMPLE 2

Q $132 + 241 = ?$



SOLUTION

Add the ones: 2 + 1 = 3

Add the tens: 30 + 40 = 70, and the hundreds: 100 + 200 = 300

Put them together: 300 + 70 + 3 = 373

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Practice questions

1. A school sells 23 tickets on Friday and 41 tickets on Saturday. How many tickets is that in all? Add the ones, then the tens. What is the total?

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2. A library has 57 books on one shelf and 38 books on another shelf. How many books is that in all? Add the ones, then the tens. What is the total?

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3 Sara has 114 marbles in a jar. She adds some from a box and now has 346 marbles. How many marbles were in the box?

$$\begin{array}{r} 1\ 1\ 4 \\ +\ \square\ \square\ \square \\ \hline 3\ 4\ 6 \end{array}$$

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4 Ben collects 305 stickers in one album and 142 stickers in another album. How many stickers does he have in all?

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5 A shop sells 67 apples in the morning, 15 at lunch, and 22 in the afternoon. How many apples did it sell in all?

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6 A class uses 240 pencils in September and 165 pencils in October. What is the two-month total?

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7 Maya reads 18 pages in one book and 31 pages in another book. How many pages did she read?

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8 A hall has 423 seats on the floor and 186 seats on the balcony. How many seats are there in the hall?

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9 Tom has 56 coins in one tin and 47 coins in the other tin. How many coins does he have in total?

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10 A shop stocks 650 red crayons and 380 blue crayons. How many crayons are there in total?

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ANSWER KEY

1. 64

2. 95

3. 232

4. 447

5. 104

6. 405

7. 49

8. 609

9. 103

10. 1030

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