MATHEMATICS · KINDERGARTEN TO GRADE 3

Addition with carrying (regrouping)

Difficulty level: Easy

Mathematics: Kindergarten to Grade 3

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Overview of the concept

This is how you add big numbers on paper, like a grocery bill or a paycheque total. When a column adds up to ten or more, you carry the extra ten into the next column instead of trying to hold it all in your head. It is the written method that keeps large additions accurate, and it is the same idea behind how a calculator adds.



Rule

Addition with carrying: add one column at a time starting at the right.

When a column adds to 10 or more, write down the ones digit and carry the ten into the next column.

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Worked examples

EXAMPLE 1

Q $47 + 35 = ?$

$$\begin{array}{r} {\scriptstyle 1} \\ 47 \\ +\ 35 \\ \hline ?2 \end{array}$$

Ones: 7 + 5 = 12

SOLUTION

Add the ones: 7 + 5 = 12. Write 2, carry 1 ten.

Add the tens: 4 + 3 = 7, plus the carried 1 = 8 tens

So the total is 82

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EXAMPLE 2

Q 158 + 237 = ?

```
    1
+ 1 5 8
  2 3 7
-------
  ? ? 5
```

Ones: 8 + 7 = 15

SOLUTION

Add the ones: 8 + 7 = 15. Write 5, carry 1 ten.

Add the tens: 5 + 3 = 8, plus the carried 1 = 9 tens

Add the hundreds: 1 + 2 = 3, so the total is 395

Practice questions

1. A school sells 28 tickets on Friday and 17 tickets on Saturday. How many tickets is that in all? Add the ones first, then the tens.

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2 What is 56 + 29?

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3 Sara has 145 marbles in a jar and 178 marbles in a box. How many marbles does she have in all?

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4 Ben has 286 stickers in one album. He has 433 stickers in total across two albums. How many stickers are in the other album?

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5

A shop sells 69 apples in the morning and 54 apples in the afternoon. The owner says that is 113 apples in all. Is he right?

- A Yes
- B No

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6

When you add 37 + 48, which column needs a carry?

- A The ones column
- B The tens column
- C Both columns
- D Neither column

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7 Which of these additions needs a carry in the tens column?

- **A** 173 + 442
- **B** 120 + 310
- **C** 150 + 240
- **D** 100 + 200

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8 A hall has 95 seats on the floor, 86 seats on the balcony, and 12 seats in the lobby. How many seats are there altogether?

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9 What is 158 + 264?

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10 **Which of these additions needs a carry in the ones column and in the tens column?**

A 56 + 29

B 95 + 86

C 37 + 48

D 41 + 25

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ANSWER KEY

1. 45

2. 85

3. 323

4. 147

5. No

6. The ones column

7. 173 + 442

8. 193

9. 422

10. 95 + 86

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