Y4 Multiply Divide

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

34 × 6 using partitioning and the grid method

Step 1 · Split 34 into 30 and 4

30 × 6 = 180 and 4 × 6 = 24

Step 2 · Add the parts

180 + 24 = 204

Answer: 34 × 6 = 204

Check: This is what short multiplication does, column by column ✓

2. Now try one with the steps

46 × 7 using short multiplication

Step 1 · Ones: 6 × 7 = 42

Step 2 · Tens: 4 × 7 = 28, + 4 carried = 32

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. 23 × 3

2. 42 × 4

3. 52 × 4

4. 37 × 5

5. 64 × 6

6. 89 × 3

7. 213 × 3

8. 146 × 5

9. 327 × 4

10. 408 × 7

11. A school orders 8 boxes of pencils. Each box has 48 pencils. How many pencils is that?

12. A train has 6 carriages with 124 seats in each. How many seats are there?

13. A cinema ticket costs £9. 256 tickets are sold. How much money is taken?

14. Find the missing digit: 1□5 × 4 = 740

4. Before you hand it in

46 × 7 = 2,842 (writing 42 and 28 side by side).
Write only the ones digit of each product. Carry the tens into the next column: 6 × 7 = 42, write 2, carry 4.

Forgetting to add the carry: 238 × 4 = 822.
Multiply first, then add the carry: 3 × 4 = 12, + 3 = 15.

Adding the carry before multiplying: (3 + 3) × 4.

Multiply the digit first, then add the carried number.

Writing 509 × 3 = 1,507.

0 × 3 = 0, but you still add the carried 2: write 2 in the tens.