Y5 Long Multiplication

KS2 Y5 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

347 × 26

Step 1 · Row 1: 347 × 6

2,082

Step 2 · Row 2: 347 × 20 (write 0, then 347 × 2)

6,940

Step 3 · Add the rows

2,082 + 6,940 = 9,022

Answer: 9,022

Check: Estimate: 350 × 25 = 8,750, close ✓

2. Now try one with the steps

68 × 45

Step 1 · Row 1: 68 × 5

Step 2 · Row 2: 68 × 40

Step 3 · Add

Answer:

3. Practice

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

1. 23 × 12

2. 45 × 21

3. 37 × 24

4. 56 × 33

5. 124 × 15

6. 238 × 27

7. 409 × 36

8. 1,325 × 18

9. 2,416 × 32

10. A coach holds 52 people. How many people can 17 coaches carry?

11. A crate holds 24 bottles. How many bottles are in 365 crates?

12. Football tickets cost £38. 1,450 tickets are sold. How much money is that?

13. Which is larger: 47 × 63 or 52 × 58? By how much?

14. Gemma worked out 347 × 26 and got 2,776. What did she forget to do?

4. Before you hand it in

In 347 × 26, writing the second row as 694.
The 2 in 26 is 2 tens. Write a 0 in the ones column of row 2 first, then multiply: 347 × 20 = 6,940.

Mixing up the carries from row 1 and row 2.

Cross out the carries from row 1 before you start row 2, or write them in a different place.

Adding the rows with the columns out of line.

Use squared paper, one digit per square, and line up the ones.

Not estimating, so a big error goes unnoticed.

Round both numbers first. 347 × 26 ≈ 350 × 25 = 8,750, so 2,776 is clearly wrong.