What happens when you multiply a number by **0** ?

Write down the answers to these questions as quickly as you can..

1. 52 × 0   **2.** 98 × 0   **3.** 0 × 52   **4.** 76 × 0

5. 9 × 0 × 25   **6.** 94 × 24 × 87 × 62 × 0   **7.** 76 × 0 × 58

Now here's a tricky one!

What happens if you multiply **89** by **12** and then divide the answer by **12** ?

How quickly can you work out these sums?

8. 67 × 13 ÷ 13   **9.** 95 × 34 ÷ 34   **10.** 62 × 16 ÷ 16

Is the same true if we divide first and then multiply?

11. 45 ÷ 9 × 9   **12.** 72 ÷ 12 × 12   **13.** 450 ÷ 50 × 50

We can use this idea to check our multiplication sums, like this:

45 × 7 = 315.   Check by dividing 315 by 7:   315 ÷ 7 = 45   Yippee!

Work out these sums and check them by dividing.

14. 23 × 3   **15.** 32 × 7   **16.** 24 × 9   **17.** 50 × 8

18. 72 × 2   **19.** 16 × 5   **20.** 23 × 6   **21.** 26 × 4