



What number am I, using product and sum ?

How to answer -

First, find pairs of single-digit numbers that multiply to give the product.

Then check which pair adds to give the required sum.

Once you have the two digits, remember that **either digit could come first**, so there may be two possible answers.

Example: The digits must add to 13 and multiply to 36. The factor pairs of 36 are 1 and 36, 2 and 18, 3 and 12, 4 and 9, and 6 and 6. The only pair that consists of single digits and adds to 13 is **4 and 9**. So the number could be **49 or 94**.

Remember you **MUST** write down your working out.

I am a 2 digit number. The sum of my digits is 11. The product of my digits is 24. What number could I be?



I am a 2 digit number. The sum of my digits is 10. The product of my digits is 21. What number could I be?

I am a 2 digit number. The sum of my digits is 13. The product of my digits is 40. What number could I be?

I am a 2 digit number. The sum of my digits is 9. The product of my digits is 20. What number could I be?



I am a 2 digit number. The sum of my digits is 14. The product of my digits is 48. What number could I be?

I am a 2 digit number. The sum of my digits is 12. The product of my digits is 35. What number could I be?

I am a 2 digit number. The sum of my digits is 10. The product of my digits is 16. What number could I be?



I am a 2 digit number. The sum of my digits is 15. The product of my digits is 54. What number could I be?

I am a 2 digit number. The sum of my digits is 11. The product of my digits is 28. What number could I be?

I am a 2 digit number. The sum of my digits is 17. The product of my digits is 72. What number could I be?

Answers: 38 or 83, 37 or 73, 58 or 85, 45 or 54, 68 or 86, 57 or 75, 28 or 82, 69 or 96, 47 or 74, 89 or 98

