

The Beauty of Mathematics

Mathematics – the purest form of art!

$$1 \times 8 + 1 = 9$$

$$12 \times 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

$$1234 \times 8 + 4 = 9876$$

$$12345 \times 8 + 5 = 98765$$

$$123456 \times 8 + 6 = 987654$$

$$1234567 \times 8 + 7 = 9876543$$

$$12345678 \times 8 + 8 = 98765432$$

$$123456789 \times 8 + 9 = 987654321$$

$$1 \times 9 + 2 = 11$$

$$12 \times 9 + 3 = 111$$

$$123 \times 9 + 4 = 1111$$

$$1234 \times 9 + 5 = 11111$$

$$12345 \times 9 + 6 = 111111$$

$$123456 \times 9 + 7 = 1111111$$

$$1234567 \times 9 + 8 = 11111111$$

$$12345678 \times 9 + 9 = 111111111$$

$$123456789 \times 9 + 10 = 1111111111$$

$$9 \times 9 + 7 = 88$$

$$98 \times 9 + 6 = 888$$

$$987 \times 9 + 5 = 8888$$

$$9876 \times 9 + 4 = 88888$$

$$98765 \times 9 + 3 = 888888$$

$$987654 \times 9 + 2 = 8888888$$

$$9876543 \times 9 + 1 = 88888888$$

$$98765432 \times 9 + 0 = 888888888$$

$$1 \times 1 = 1$$

$$11 \times 11 = 121$$

$$111 \times 111 = 12321$$

$$1111 \times 1111 = 1234321$$

$$11111 \times 11111 = 123454321$$

$$111111 \times 111111 = 12345654321$$

$$1111111 \times 1111111 = 1234567654321$$

$$11111111 \times 11111111 = 123456787654321$$

$$111111111 \times 111111111 = 12345678987654321$$

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Mathematics – the purest form of art!

$$1 \times 8 + 1 = \square$$

$$12 \times 8 + 2 = \square \square$$

$$123 \times 8 + 3 = \square \square \square$$

$$1234 \times 8 + 4 = \square \square \square \square$$

$$12345 \times 8 + 5 = \square \square \square \square \square$$

$$123456 \times 8 + 6 = \square \square \square \square \square \square$$

$$1234567 \times 8 + 7 = \square \square \square \square \square \square \square$$

$$12345678 \times 8 + 8 = \square \square \square \square \square \square \square \square$$

$$123456789 \times 8 + 9 = \square \square \square \square \square \square \square \square \square$$

$$1 \times 9 + 2 = \square \square$$

$$12 \times 9 + 3 = \square \square \square$$

$$123 \times 9 + 4 = \square \square \square \square$$

$$1234 \times 9 + 5 = \square \square \square \square \square$$

$$12345 \times 9 + 6 = \square \square \square \square \square \square$$

$$123456 \times 9 + 7 = \square \square \square \square \square \square \square$$

$$1234567 \times 9 + 8 = \square \square \square \square \square \square \square \square$$

$$12345678 \times 9 + 9 = \square \square \square \square \square \square \square \square \square$$

$$123456789 \times 9 + 10 = \square \square \square \square \square \square \square \square \square \square$$

$$9 \times 9 + 7 = \square \square$$

$$98 \times 9 + 6 = \square \square \square$$

$$987 \times 9 + 5 = \square \square \square \square$$

$$9876 \times 9 + 4 = \square \square \square \square \square$$

$$98765 \times 9 + 3 = \square \square \square \square \square \square$$

$$987654 \times 9 + 2 = \square \square \square \square \square \square \square$$

$$9876543 \times 9 + 1 = \square \square \square \square \square \square \square \square$$

$$98765432 \times 9 + 0 = \square \square \square \square \square \square \square \square \square$$

