



Multiplication Tricks & Shortcuts



Practice
Use the Tricks
Become a
Maths Star!

12 Easy Tricks to Make Mental Maths Faster & Fun!

1 Multiply by 5

Multiply by 10 and then divide by 2.

Example:

$$\begin{aligned}24 \times 5 \\24 \times 10 &= 240 \\240 \div 2 &= 120\end{aligned}$$



2 Multiply by 10, 100 & 1000

Just add zeros to the number.

Example:

$$\begin{aligned}36 \times 10 &= 360 \\36 \times 100 &= 3,600 \\36 \times 1000 &= 36,000\end{aligned}$$

10 → 1 zero
100 → 2 zeros
1000 → 3 zeros

3 Multiply by 2

Simply double the number.

Example:

$$\begin{aligned}47 \times 2 &= 94 \\ \text{Double 47} \\ &\text{is 94!}\end{aligned}$$



4 Multiply by 4

Double the number twice.

Example:

$$\begin{aligned}25 \times 4 \\25 \times 2 &= 50 \\50 \times 2 &= 100\end{aligned}$$



5 Multiply by 9

Multiply by 10 and subtract the original number.

Example:

$$\begin{aligned}27 \times 9 \\27 \times 10 &= 270 \\270 - 27 &= 243\end{aligned}$$



6 Multiply by 25

Multiply by 100 and divide by 4.

Example:

$$\begin{aligned}16 \times 25 \\16 \times 100 &= 1,600 \\1,600 \div 4 &= 400\end{aligned}$$



7 Multiply by 50

Multiply by 100 and divide by 2.

Example:

$$\begin{aligned}18 \times 50 \\18 \times 100 &= 1,800 \\1,800 \div 2 &= 900\end{aligned}$$



8 Multiply by 99

Multiply by 100 and subtract the original number.

Example:

$$\begin{aligned}24 \times 99 \\24 \times 100 &= 2,400 \\2,400 - 24 &= 2,376\end{aligned}$$



9 Break Numbers Apart

Split one number into easier parts.

Example:

$$\begin{aligned}23 \times 6 \\&= (20 \times 6) + (3 \times 6) \\&= 120 + 18 = 138\end{aligned}$$

Use the
distributive
property!

10 Multiply by 11

For a two-digit number, add its digits and place the sum between them (works when the sum is less than 10).

Example:

$$\begin{aligned}32 \times 11 \\3 \text{ (3+2) } 2 &= 352\end{aligned}$$



11 Multiply by 101

Multiply by 100 and add the original number.

Example:

$$\begin{aligned}23 \times 101 \\23 \times 100 &= 2,300 \\2,300 + 23 &= 2,323\end{aligned}$$



12 The 100 - 1 Trick (Multiply by 99)

Think of 99 as 100 - 1.

Example:

$$\begin{aligned}37 \times 99 \\&= 37 \times (100 - 1) \\&= 3,700 - 37 = 3,663\end{aligned}$$

A clever
and useful
trick!



Try It Yourself!

Use the tricks to solve these. Write your answers in the blanks.

1. $36 \times 5 =$ _____

2. $42 \times 9 =$ _____

3. $24 \times 25 =$ _____

4. $18 \times 50 =$ _____

5. $32 \times 11 =$ _____

6. $45 \times 99 =$ _____

Answer Key

1. 180

2. 378

3. 600

4. 900

5. 352

6. 4,455

Small Tricks
Big Results!

Keep Practicing ... You Can Do It! ❤️

