



Glad2teach

Easy Way to Learn Math

EasyCal Techniques of faster Mathematics

30 EasyCal Fast-Math Videos (1st Series)

WORKSHEET # 1

(Mental multiplication with 11 of any 2 digit or 3 digit number)

Practice questions based on the technique explained in

* **Video # 1** (link)

- Instructions:
- 1) 1st watch this 5 minute video on Youtube by clicking the link above.
 - 2) Then for next 10 minutes work on this worksheet to perfect your calculation.

* Please subscribe to my **Glad2teach channel** (link) on Youtube to stay connected with me.



Message for You (skip ...)

Being an online teacher of Mathematics for last 13 years I have been interacting with students from world over. I have heard their personal stories related to Mathematics. Thus I can say confidently that you are not the only one who dislikes/fears Mathematics. **Mathophobia** is now a well-known term of psychology.

It seems Math is troubling people of all ages, of all professions and of all intelligence level. Surprisingly so, after all the entire Mathematics revolves around just 10 digit (**from 0 – 9**). Here lies the point.

All our lives we have tried to glorify Mathematics and made ourselves believe that to master Mathematics we need more IQ than the great **Einstein**.

To make the matters worse from an early age we were encouraged to rely on calculators thus paralyzing our mental Math muscle even further.

The subject of Mathematics at the level of learning can be divided into two part –

- 1) **Mechanical Ability**
- 2) **Analytical Ability**

For example, the ability to do **fast mental calculations** is mechanical.

By daily practicing the EasyCal techniques you would be calculating instantly at the speed of **Reflex Action**. In this 1st EasyCal Series we would be developing this skill.

Analytical Ability of Math is knowing how to proceed to solve a given question. That is which **concept / rule / formula** to apply.

In the 2nd EasyCal Series I would be teaching this skill for Algebra. You can then solve difficult questions, equations & word problems of Algebra almost instantly. We would come to that later.



I am aware how hard it is to start anything. Our mind gets overpowered by the feeling of anxiety and subconscious fear of reliving those bad memories of past failures.

That is where I step in as your teacher. I would hold your hand firmly at every step and keep taking you forward. We would make a **steady start** by learning the basic techniques first and get settled into this journey. Soon our level of confidence and trust would increase and we start making **giant leaps of progress**.

However, do not let the happiness of your correct answers satiate you or allow the disappointment of mistakes you make to derail you. The secret of success is to keep moving forward in thick and thin till you arrive at your final destination.

At the end of this journey you would have conquered Mathematics by making it your **best friend** for life.

“Do I not destroy my enemies when I make them my friends?” — Abraham Lincoln

Shahryar Badar Khan

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Based on EasyCal-FastMath Vid# 1
(Multiplication technique of 11)

Can you multiply mentally ?

Level : **EASY**

1) $43 \times 11 =$

(3 seconds)

Check It

2) $54 \times 11 =$

(3 seconds)

Check It

3) $72 \times 11 =$

(3 seconds)

Check It

4) $25 \times 11 =$

(3 seconds)

Check It

Can you multiply mentally ?

Level : MEDIUM

1) $76 \times 11 =$ (6 seconds)

Check It

2) $84 \times 11 =$ (6 seconds)

Check It

3) $97 \times 11 =$ (6 seconds)

Check It

4) $59 \times 11 =$ (6 seconds)

Check It

Can you multiply mentally ?

Level : **HARD**

1) $106 \times 11 =$ (8 seconds)

Check It

2) $112 \times 11 =$ (8 seconds)

Check It

3) $456 \times 11 =$ (10 seconds)

Check It

4) $847 \times 11 =$ (10 seconds)

Check It



Answer Sheet

Level : **EASY**

1) $\begin{array}{r} 7 \\ 4+3 \\ \hline 473 \end{array} \times 11 = \underline{\hspace{2cm}} \quad (3 \text{ seconds})$

[Go Back](#)

2) $\begin{array}{r} 9 \\ 5+4 \\ \hline 594 \end{array} \times 11 = \underline{\hspace{2cm}} \quad (3 \text{ seconds})$

[Go Back](#)

3) $\begin{array}{r} 9 \\ 7+2 \\ \hline 792 \end{array} \times 11 = \underline{\hspace{2cm}} \quad (3 \text{ seconds})$

[Go Back](#)

4) $\begin{array}{r} 7 \\ 2+5 \\ \hline 275 \end{array} \times 11 = \underline{\hspace{2cm}} \quad (3 \text{ seconds})$

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1)
$$\begin{array}{r} 13 \\ 7+6 \end{array} \times 11 = \underline{836}$$
 (6 seconds)

836

Go Back

2)
$$\begin{array}{r} 12 \\ 8+4 \end{array} \times 11 = \underline{924}$$
 (6 seconds)

924

Go Back

3)
$$\begin{array}{r} 16 \\ 9+7 \end{array} \times 11 = \underline{1067}$$
 (6 seconds)

1067

Go Back

4)
$$\begin{array}{r} 14 \\ 5+9 \end{array} \times 11 = \underline{649}$$
 (6 seconds)

649

Go Back

Level : **HARD**

1)
$$\begin{array}{r|l} 16 & \\ \hline 10 & +6 \\ \hline 1166 \end{array} \times 11 = 1166$$
 (8 seconds)

[Go Back](#)

2)
$$\begin{array}{r|l} 13 & \\ \hline 11 & +2 \\ \hline 1232 \end{array} \times 11 = 1232$$
 (8 seconds)

[Go Back](#)

3)
$$\begin{array}{r|l} 51 & \\ \hline 45 & +6 \\ \hline 5016 \end{array} \times 11 = 5016$$
 (8 seconds)

[Go Back](#)

4)
$$\begin{array}{r|l} 91 & \\ \hline 84 & +7 \\ \hline 9317 \end{array} \times 11 = 9317$$
 (10 seconds)

[Go Back](#)

Up Next : [EasyCal vid #2 \(Link\)](#) : Faster multiplication with 12 , 13