## Short Tricks

## Course Schedule:

## Free Activity

## Maths Short Tricks

| externalvideo | Number System \| Multiply Just Above 10 - (in 10 seconds) |
| :---: | :---: |
| externalvideo | Number System \| Multiplication by 99, 999, 9999. |
| externalvideo |  |
| externalvideo | Number System \| Divide by 9 with Remainder |
| externalvideo | Number System \| Tricks on Number Tree |
| externalvideo |  |


| externalvideo | Average \| Trick to Calculate Average When Item Exclude / |
| :---: | :---: |
| Include |  |


| externalvideo | Average \|Trick to Calculate Value of New Quantity |
| :--- | :--- |


| externalvideo | Average \|Trick to Find Numbers in a group |
| :--- | :--- |


| externalvideo | Average \|Trick to Calculate Correct Average |
| :--- | :--- |

$\square$

| externalvideo | Average \|Trick to Calculate Average of a group |
| :---: | :---: |
| externalvideo | Percentage \|Tricks for Common Percentage Calculations |
| externalvideo | Percentage \|Expressing Number in Percentage |
| externalvideo | Percentage \|Tricks to find Percentage Error |
| externalvideo | Percentage \|Tricks to Calculate - One number with two Percentages |
| externalvideo | Percentage \|Tricks on Percentage Increase/Decrease. |
| externalvideo | Percentage \|Tricks - When Thing Increase and Decrease by Same Percent. |
| externalvideo | Percentage \|Tricks on Successive Increase/Decrease. |
| externalvideo | Percentage \|Tricks- When X Increased/Decreased by $Y$ Percent. |


| externalvideo | Percentage \|Tricks - X Percent more/less than Y. |
| :--- | :--- |


| externalvideo | Square and Cube Root \|Tricks on Square Roots. |
| :--- | :--- |


| externalvideo | Square and Cube Root \|Tricks to Find Square Root of <br> Perfect Square. |
| :---: | :---: |

externalvideo
Square and Cube Root |Tricks to Solve Non Perfect Square.

| externalvideo | Square and Cube Root \|Tricks on Decimal Numbers. |
| :---: | :---: |
| externalvideo | Square and Cube Root \|Tricks on Cube Root - Part 1 |
| externalvideo | Square and Cube Root \|Tricks on Cube Root - Part 2 |
| externalvideo | Square and Cube Root \|Tricks on Squaring 3 Digit Numbers. |
| externalvideo | Square and Cube Root \|Tricks on Squaring Number Ending with 1. |


| externalvideo | Square and Cube Root Tricks on Squaring Number Ending <br> with 5 |
| :--- | :--- |


| externalvideo | Square and Cube Root \|Tricks on Squaring Number Close <br> to 50. |
| :---: | :---: |


| externalvideo | Square and Cube Root \|Tricks on Squaring Number Close <br> to 100. |
| :--- | :--- |


| externalvideo | Square and Cube Root \|Tricks of Squaring Number Just <br> Below 10,100,1000. |
| :---: | :---: |


| externalvideo | Square and Cube Root \|Tricks on Squaring any Two Digit <br> Number. |
| :--- | :--- |
| externalvideo | Square and Cube Root \|Tricks to find Cube of just above <br> $10,100 \ldots$ |



|  |  |
| :--- | :--- |
| externalvideo | Profit and Loss \|Tricks to Find New Selling Price |


| externalvideo | Profit and Loss \|Tricks on Condition of More Less Pricing. |
| :---: | :---: |
| externalvideo | Profit and Loss \|Tricks to Find Actual Profit When Profit <br> Calculated on Selling Price. |


| externalvideo | Profit and Loss \|Tricks to Find Relation Between MP and <br> CP. |
| :---: | :---: |


| externalvideo | Time Speed and Distance \|Tricks to Calculate Average Speed. |
| :---: | :---: |
| externalvideo | Time Speed and Distance \|Tricks - When Time Taken in Both Ways. |
| externalvideo | Time Speed and Distance \|Tricks on Relative Speed. |
| externalvideo | Time Speed and Distance \|Tricks - When Object in Same/Opposite Direction. |


| externalvideo | Time Speed and Distance \|Tricks to Calculate Speed of <br> Faster/Slower Object. |
| :---: | :---: |


| externalvideo | Mixture and Alligation \|Tricks on Adding/Removing things <br> for desired mixture. |
| :---: | :---: |


| externalvideo |
| :--- |

Mixture and Alligation |Tricks to Calculate Overall Profit Loss Percentage.

Mixture and Alligation |Tricks on Resulting Mixture Ratio After Combining Different Ratio Mixture.

| externalvideo | Mixture and Alligation \|Tricks to Find Ratio of two things to <br> Get Desired Mixture. |
| :---: | :---: |


| externalvideo | Boats and Streams \|Trick to Calculate Average Speed <br> throughout the Journey. |
| :---: | :---: |


| externalvideo | Boats and Streams \|Trick - when Distance Traveled is <br> same in Upstream and Downstream. |
| :---: | :---: |


| externalvideo | Boats and Streams \|Trick to Calculate Speed of Boat in Still <br> Water. |
| :---: | :---: |


| externalvideo | Pipe and Cistern \|Tricks to Calculate Total Time to fill (with <br> Outlet pipe). |
| :---: | :---: |

## Reasoning Short Tricks

| externalvideo | Calendar \|Trick of Finding a Day on a Date. |
| :---: | :---: |
| externalvideo | Clocks \|Tricks to Find Angle Between Two Hands. |
| externalvideo | Clocks \|Tricks - When Clocks Hands Together? |


| externalvideo | Clocks \|Tricks - When Hands at Right Angle? |
| :--- | :--- |


| externalvideo | Clocks \|Tricks When Clock Hands x minutes Apart ? |
| :--- | :--- |


| externalvideo | Persons. |
| :---: | :---: |
| externalvideo | Seating Arrangement \|Tricks on Finding Number of Persons Between two Persons. |
| externalvideo | Seating Arrangement \|Tricks to Solve Position Interchanged Conditions. |
| externalvideo | Seating Arrangement \|Tricks on Finding Minimum No of Persons in Linear Arrangement. |
| externalvideo | Problem on Ages \|Tricks on Finding Present Age. |
| externalvideo | Problem on Ages \|Tricks to Find Ages in Ratio. |
| externalvideo | Assemble Figure \| Short Tricks. |
| externalvideo | Mirror Image \| Short Tricks. |


| externalvideo | Figure Counting ITricks to Count Number of Triangles with <br> Bisectors and Horizontal Lines. |
| :---: | :---: |

externalvideo
Figure Counting |Tricks to Calculate Number of Squares.

| externalvideo | Figure Counting \|Tricks of Counting Squares within a |
| :---: | :---: |
| Square. |  |


| externalvideo |
| :--- |

Figure Counting |Tricks of Counting Rectangles within a Rectangle.

| externalvideo | Figure Counting \|Tricks of Counting Rectangles in a Square. |
| :---: | :---: |
| externalvideo | Figure Counting \|Tricks of Counting Number of Triangles with Bisectors. |
| externalvideo | Figure Counting \|Tricks of Counting Number of Triangles with Horizontal Lines. |
| externalvideo | Figure Counting \|Tricks of Counting Number of Triangles with Embedded Triangles. |
| externalvideo | Figure Counting \|Tricks of Counting Number of Triangles with Particular Pattern. |
| externalvideo | Figure Counting \|Tricks of Counting Number of Triangles in Square/Rectangle/Quadrilateral. |
| externalvideo | Embedded Figure \| Short Tricks. |
| externalvideo | Paper Cutting and Folding \| Short Tricks. |

## English Root Words - Important Word List

| externalvideo | Root Words - Session 1 |
| :---: | :---: |


| externalvideo | Root Words - Session 2 |
| :--- | :---: |


| externalvideo | Root Words - Session 3 |
| :---: | :---: |

externalvideo
Root Words - Session 4

| externalvideo | Root Words - Session 5 |
| :--- | :---: |


| externalvideo | Root Words - Session 6 |
| :---: | :---: |
| externalvideo | Root Words - Session 7 |


| externalvideo | Root Words - Session 8 |
| :---: | :---: |
| externalvideo | Root Words - Session 9 |


| externalvideo | Root Words - Session 10 |
| :--- | :---: |


| externalvideo | Root Words - Session 11 |
| :---: | :---: |
| externalvideo |  |


| externalvideo | Root Words - Session 13 |
| :---: | :---: |


| externalvideo | Root Words - Session 14 |
| :---: | :---: |


| externalvideo | Root Words - Session 15 |
| :---: | :---: |


| externalvideo | Root Words - Session 16 |
| :--- | :---: |


| externalvideo | Root Words - Session 17 |
| :--- | :---: |


| externalvideo | Root Words - Session 18 |
| :---: | :---: |
| externalvideo | Root Words - Session 19 |


| externalvideo | Root Words - Session 20 |
| :--- | :---: |


| externalvideo | Root Words - Session 21 |
| :--- | :---: |


| externalvideo | Root Words - Session 22 |
| :--- | :---: |


| externalvideo | Root Words - Session 23 |
| :--- | :---: |


| externalvideo | Root Words - Session 24 |
| :---: | :---: |


| externalvideo | Root Words - Session 25 |
| :--- | :---: |


| externalvideo | Root Words - Session 26 |
| :---: | :---: |


| externalvideo | Root Words - Session 27 |
| :---: | :---: |

