

# Order of Tricks

## Introduction

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### IV. Algebra Trick

# SIRI Time Constant

$$A \pm B = C \text{ (min./sec. } \geq 60) \pm 40$$

$$\begin{array}{r} 1. \quad 3 \text{ hrs. } 48 \text{ min.} \\ + 2 \text{ hrs. } 59 \text{ min.} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 5 \text{ min. } 18 \text{ sec.} \\ - 3 \text{ min. } 27 \text{ sec.} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 9 \text{ hrs. } 59 \text{ min.} \\ + 9 \text{ hrs. } 59 \text{ min.} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 10 \text{ min. } 42 \text{ sec.} \\ - 7 \text{ min. } 55 \text{ sec.} \\ \hline \end{array}$$

1) 6 hrs. 47 min. 2) 1 min. 51 sec. 3) 19 hrs. 58 min. 4) 2 min. 47 sec.

**ANSWERS SIRI TIME CONSTANT:**

# Addition Tricks

## A) Adding by Regrouping:

1.  $3 + 7 + 2 + 1 + 8 + 5 + 4 + 1 + 8 = \underline{\hspace{2cm}}$
2.  $1 + 6 + 9 + 2 + 4 + 5 + 5 + 1 + 8 + 3 + 2 + 8 + 1 = \underline{\hspace{2cm}}$

## B) Adding by Picking a Reference:

1. 22, 16, 21, 19, 20, 17, 18
2. 48, 42, 45, 44, 46, 43, 47, 41

## C) Adding Consecutive Numbers:

1.  $1 + 2 + 3 \dots + 65$
2.  $1 + 2 + 3 \dots + 100$

## D) Hide and Seek:

Play this trick with a partner! Have fun!

**ANSWERS ADDITION TRICKS:**

A) Adding by Regrouping: 1) 39 2) 50

B) Adding by Picking A Reference: 1) 133 2) 356

C) Adding Consecutive Numbers: 1) 2145 2) 5050

# Subtraction Tricks

## A) Subtraction without Borrowing:

- 1)  $324 - 219$
- 2)  $466 - 275$
- 3)  $891 - 206$

## B) Two - Step Subtraction:

- 1)  $25 - 12$
- 2)  $81 - 36$
- 3)  $73 - 48$
- 4)  $90 - 27$

## C) Subtraction by Adding:

- 1)  $66 - 34$
- 2)  $78 - 51$
- 3)  $113 - 62$
- 4)  $155 - 79$

## D) Shortcut with Fractions:

- 1)  $1/3 + 1/2$
- 2)  $5/8 - 1/4$
- 3)  $2 \frac{3}{4} + 1/2$

## E) Two - Digit Quickly:

Amaze your friends with this fantastic trick! Enjoy!

**ANSWERS SUBTRACTION TRICKS:**

A) Subtraction without Borrowing: 1) 105 2) 191 3) 685

B) Two - Step Subtraction: 1) 13 2) 45 3) 25 4) 63

C) Subtraction by Adding: 1) 32 2) 27 3) 51 4) 76

D) Shortcut with Fractions: 1) 5/6 2) 3/8 3) 3 1/4

# Algebra Trick

Practice the following problems using the Algebra Trick:

1)  $81 = 3x + 9$

2)  $38.2 = 2x - 19.1$

3)  $92 = 5x + 2$

# EZ MATH TRIX

## ADDITION & SUBTRACTION

KA315

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**Study Guide Worksheet**

$81 = x (3)$

$56 = x (2)$

$72 = x (1)$

**ANSWERS ALGEBRA TRICK:**