

2 A.2 Thirty addition facts, sums less than ten

THE MAD MINUTE

$$\begin{array}{r} 0 \\ +5 \\ \hline +5 \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline +6 \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline +5 \end{array}$$

$$\begin{array}{r} 7 \\ +1 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline +4 \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline +9 \end{array}$$

$$\begin{array}{r} 1 \\ +7 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline +9 \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline +10 \end{array}$$

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2 A.3 Thirty addition facts, sums less than ten

THE MAD MINUTE

$$\begin{array}{r} 0 \\ +5 \\ \hline +5 \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 5 \\ +1 \\ \hline +6 \end{array}$$

$$\begin{array}{r} 3 \\ +2 \\ \hline +5 \end{array}$$

$$\begin{array}{r} 7 \\ +1 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline +4 \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline +9 \end{array}$$

$$\begin{array}{r} 1 \\ +7 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline +11 \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline +9 \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline +10 \end{array}$$

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2 A.4 Thirty addition facts, sums less than ten

THE MAD MINUTE

$$\begin{array}{r} 5 \\ +2 \\ \hline +7 \end{array}$$

$$\begin{array}{r} 3 \\ +1 \\ \hline +4 \end{array}$$

$$\begin{array}{r} 6 \\ +2 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline +7 \end{array}$$

$$\begin{array}{r} 7 \\ +1 \\ \hline +8 \end{array}$$

$$\begin{array}{r} 2 \\ +9 \\ \hline +11 \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline +9 \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline +10 \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline +10 \end{array}$$

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2 A-6 *Thirty addition facts, sums ten or more*

THE MAD MINUTE

Thirty addition facts, sums less than ten

$$\begin{array}{r} 5 \\ +4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 0 \\ +4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 7 \\ +2 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 4 \\ +2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 2 \\ +1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 8 \\ +1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1 \\ +3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ +1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 5 \\ +2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 7 \\ +6 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 8 \\ +7 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 6 \\ +9 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 5 \\ +7 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 3 \\ +8 \\ \hline 11 \end{array}$$

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2 A-7 *Thirty addition facts, sums ten or more*

THE MAD MINUTE

$$\begin{array}{r} 8 \\ +7 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 7 \\ +4 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 9 \\ +6 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 7 \\ +5 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$$

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2 A-8 *Thirty addition facts, sums ten or more*

THE MAD MINUTE

$$\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 7 \\ +6 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 9 \\ +7 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 9 \\ +6 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 7 \\ +5 \\ \hline 12 \end{array}$$

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A-10**2 A-19****IS****THE MAD MINUT**

$$\begin{array}{r}
 3 \quad -15 \quad 14 \quad -16 \quad 13 \quad -17 \quad 14 \quad -18 \quad 11 \quad -19 \quad 10 \quad -13 \\
 5 \quad -5 \quad 9 \quad -9 \quad 9 \quad -9 \quad 8 \quad -8 \quad 7 \quad -7 \quad 3 \quad -4 \\
 \hline
 4 \quad 15 \quad -11 \quad 15 \quad -13 \quad 15 \quad -18 \quad 14 \quad -17 \quad 18 \quad -19 \quad 10 \quad -9 \\
 5 \quad -7 \quad 8 \quad -9 \quad 8 \quad -9 \quad 8 \quad -8 \quad 7 \quad -7 \quad 9 \quad -9 \\
 \hline
 3 \quad 15 \quad -7 \quad 13 \quad -8 \quad 12 \quad -7 \quad 14 \quad -6 \quad 11 \quad -6 \quad 15 \quad -9 \\
 5 \quad -8 \quad 7 \quad -9 \quad 8 \quad -9 \quad 7 \quad -6 \quad 6 \quad -5 \quad 4 \quad -3 \\
 \hline
 \end{array}$$

A-20**Subtraction facts****THE MAD MINUT**

$$\begin{array}{r}
 5 \quad 10 \quad 5 \quad 18 \quad 15 \quad 1 \quad -1 \quad -5 \quad -4 \quad 9 \quad 15 \quad 13 \quad -6 \\
 3 \quad -3 \quad 2 \quad -9 \quad -9 \quad -1 \quad -1 \quad -5 \quad -4 \quad -7 \quad -7 \quad -6 \quad -5 \\
 \hline
 5 \quad 17 \quad 3 \quad 14 \quad 14 \quad 8 \quad 2 \quad 0 \quad 3 \quad 4 \quad 4 \quad 9 \quad -3 \\
 8 \quad -8 \quad 1 \quad 5 \quad -5 \quad -8 \quad -0 \quad -0 \quad -3 \quad -4 \quad -4 \quad -5 \quad -9 \\
 \hline
 4 \quad 9 \quad 12 \quad 15 \quad 16 \quad 17 \quad 9 \quad 4 \quad 9 \quad 11 \quad 9 \quad 13 \quad -5 \\
 6 \quad -7 \quad 5 \quad -5 \quad -7 \quad -9 \quad -4 \quad -4 \quad -9 \quad -9 \quad -8 \quad -7 \quad -6 \\
 \hline
 \end{array}$$

2 A-21**Subtraction facts****THE MAD MINUT**

$$\begin{array}{r}
 5 \quad 15 \quad 2 \quad 0 \quad 6 \quad 1 \quad -1 \quad -5 \quad -7 \quad -9 \quad 18 \quad -9 \\
 6 \quad -6 \quad 0 \quad -6 \quad -6 \quad -1 \quad -1 \quad -5 \quad -7 \quad -9 \quad -9 \quad -9 \\
 \hline
 10 \quad 14 \quad 5 \quad 2 \quad 12 \quad 3 \quad -2 \quad -3 \quad -5 \quad -7 \quad -11 \quad -1 \\
 8 \quad -8 \quad 6 \quad -6 \quad -6 \quad -1 \quad -1 \quad -5 \quad -7 \quad -9 \quad -9 \quad -9 \\
 \hline
 10 \quad 13 \quad 8 \quad 5 \quad 9 \quad 1 \quad 1 \quad 1 \quad 1 \quad 14 \quad 6 \quad 17 \\
 2 \quad -2 \quad -8 \quad -8 \quad -8 \quad -5 \quad -5 \quad -5 \quad -5 \quad -7 \quad -5 \quad -9 \\
 \hline
 \end{array}$$

2 A-22**Subtraction facts****THE MAD MINUT**

$$\begin{array}{r}
 4 \quad 9 \quad 12 \quad 15 \quad 16 \quad 17 \quad 9 \quad 4 \quad 9 \quad 11 \quad 9 \quad 13 \quad -5 \\
 6 \quad -7 \quad 5 \quad -5 \quad -7 \quad -9 \quad -4 \quad -4 \quad -9 \quad -9 \quad -8 \quad -7 \quad -6 \\
 \hline
 5 \quad 17 \quad 3 \quad 14 \quad 14 \quad 8 \quad 2 \quad 0 \quad 3 \quad 4 \quad 4 \quad 9 \quad -3 \\
 8 \quad -8 \quad 1 \quad 5 \quad -5 \quad -8 \quad -0 \quad -0 \quad -3 \quad -4 \quad -4 \quad -5 \quad -9 \\
 \hline
 4 \quad 9 \quad 12 \quad 15 \quad 16 \quad 17 \quad 9 \quad 4 \quad 9 \quad 11 \quad 9 \quad 13 \quad -5 \\
 6 \quad -7 \quad 5 \quad -5 \quad -7 \quad -9 \quad -4 \quad -4 \quad -9 \quad -9 \quad -8 \quad -7 \quad -6 \\
 \hline
 \end{array}$$

2 A-23**Subtraction facts****THE MAD MINUT**

2 A-22

2 A-24

THE MAD MINUTE

on facts

$$\begin{array}{r} 15 \\ -6 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 11 \\ -8 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 16 \\ -12 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 18 \\ -15 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 11 \\ -8 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 16 \\ -13 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 14 \\ -11 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 18 \\ -15 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 16 \\ -13 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 17 \\ -14 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 18 \\ -15 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 19 \\ -16 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 20 \\ -17 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 21 \\ -18 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 22 \\ -19 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 23 \\ -20 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 24 \\ -21 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 25 \\ -22 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 26 \\ -23 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 27 \\ -24 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 28 \\ -25 \\ \hline 3 \end{array}$$

2 A-23

2 A-25

THE MAD MINUTE

addition facts

$$\begin{array}{r} 6 \\ +9 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 7 \\ +9 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ +9 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 10 \\ +9 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 11 \\ +9 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 12 \\ +9 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 13 \\ +9 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 14 \\ +9 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 15 \\ +9 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 16 \\ +9 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 17 \\ +9 \\ \hline 26 \end{array}$$

THE MAD MINUTE

subtraction facts

$$\begin{array}{r} 16 \\ -9 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 19 \\ -9 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 20 \\ -9 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 21 \\ -9 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 22 \\ -9 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 23 \\ -9 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 24 \\ -9 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 25 \\ -9 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 26 \\ -9 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 27 \\ -9 \\ \hline 18 \end{array}$$