

# Mental Math Themes

Theme							
<b>One More/Money</b>	The value of a nickel ... add one cent ... add one cent	The value of a dime ... add one cent ... add one cent	The value of a quarter ... add one cent ... add one cent	Start with 14 cents ... add one cent ... add one cent	Start with 19 cents ... add one cent ... add one cent	Start with 98 cents ... add one cent ... add one cent	Start with 59 cents ... add one cent ... add one cent
<b>Two More/Geometry</b>	Start with the number of sides on a triangle ... add two ... add one	Start with the number of sides on a triangle ... add one ... add 2	Start with the number of sides on a triangle ... add two ... add two	Start with the number of sides on a square ... add two ... add one	Start with the number of sides on a square ... add one ... add 2	Start with the number of sides on a hexagon ... add two ... add two	Start with the number of sides on a hexagon ... add two ... add one
<b>Make 10/Geometry</b>	Start with the number of sides on a square ... add 6 ... add 2	Start with the number of sides on a rectangle ... add one ... add 5	Start with the number of sides on a triangle ... add 2 ... add 5	Start with the number of sides on a hexagon ... add 4 ... add 2	Start with the number of sides on a hexagon ... add 2 ... add 2	Start with the number of sides on a pentagon ... add 2 ... add 3	Start with the number of sides on a pentagon ... add 5 ... add 1
<b>Make 10/Plus 10</b>	Start with 8 ... add 2 ... add 6	Start with 5 ... add 5 ... add 8	Start with 9 ... add 1 ... add 4	Start with 3 ... add 7 ... add 7	Start with 6 ... add 4 ... add 9	Start with 4 ... add 6 ... add 3	Start with 2 ... add 8 ... add 5
<b>Subtract 10 Money</b>	The value of a nickel ... add 8 ... subtract 10	The value of a dime ... add 7 ... subtract 10	The value of a quarter ... subtract 10 ... subtract 10	The value of a quarter ... subtract 10 ... add 1	The value of a quarter ... subtract 10 ... add 4	The value of a nickel ... add 5 ... subtract 10	The value of a dime ... subtract 10 ... add 4

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<b>More/ Less</b>	Start with 8 ... subtract 1 ... add 2	Start with 17 ... add 1 ... subtract 1	Start with 15 ... add 2 ... subtract 1	Start with 22 ... subtract 1 ... add 2	Start with 23 ... add 1 ... subtract 1	Start with 19 ... add 2 ... subtract 1	Start with 99 ... subtract 1 ... add 2
<b>Double/ Money</b>	Start with the value of a nickel ... double it ... add one	Start with the value of a penny ... add two ... double it	Start with the value of a nickel ... add 2 ... double it	Start with the value of a dime ... double it ... add one	Start with the value of a dime ... subtract 1 ... double it	Start with the value of a nickel ... subtract 2 ... double it	Start with the value of a dime ... subtract 2 ... double it
<b>Double/ Geometry</b>	Start with the number of sides on a hexagon ... double it ... subtract 1	Start with the number of sides on a hexagon ... add 1 ... double it	Start with the number of sides on a hexagon ... subtract 2 ... double it	Start with the number of sides on a pentagon ... double it ... subtract 1	Start with the number of sides on a pentagon ... add 2 ... double it	Start with the number of sides on a triangle ... double it ... subtract 1	Start with the number of sides on a rectangle ... double it ... subtract 2
<b>Doubles plus 1</b>	Start with 3 ... add 4 ... add 3	Start with 6 ... add 7 ... subtract 1	Start with 4 ... add 5 ... add 2	Start with 2 ... add 3 ... subtract 2	Start with 5 ... add 6 ... subtract 1	Start with 3 ... add 1 ... add 5	Start with 6 ... subtract 1 ... add 4
<b>Doubles plus 2/ Two apart</b>	Start with 3 ... add 5 ... add 2	Start with 6 ... add 4 ... add 7	Start with 8 ... add 6 ... subtract 1	Start with 2 ... add 4 ... subtract 1	Start with 5 ... add 7 ... subtract 2	Start with 3 ... add 1 ... add 6	Start with 6 ... subtract 1 ... add 5

## Mental Math Themes

<b>Make 10/Extend</b>	Start with 9 ... Add 4 ... add 2	Start with 9 ... add 7 ... add 1	Start with 9 ... add 6 ... subtract 2	Start with 9 ... add 8 ... add 1	Start with 9 ... add 7 ... add 2	Start with 9 ... add 3 ... subtract 2	Start with 9 ... add 8 ... subtract 2
<b>Make 10/Extend</b>	Start with 8 ... Add 4 ... add 2	Start with 8 ... add 7 ... add 1	Start with 8 ... add 6 ... subtract 2	Start with 8 ... add 8 ... add 1	Start with 8 ... add 7 ... add 2	Start with 8 ... add 3 ... subtract 2	Start with 8 ... add 8 ... subtract 2
<b>Make 10/Extend</b>	Start with 9 ... Add 5 ... add 2	Start with 8 ... add 5 ... add 1	Start with 8 ... add 6 ... subtract 2	Start with 9 ... add 8 ... add 1	Start with 9 ... add 7 ... add 2	Start with 8 ... add 3 ... subtract 2	Start with 9 ... add 8 ... subtract 2
<b>Subtract 9</b>	Start with 8 ... double it ... subtract 9	Start with 18 ... add 9 ... add 1	Start with 15 ... subtract 9 ... subtract 2	Start with 14 ... add 2 ... subtract 9	Start with 7 ... double it ... subtract 9	Start with 8 ... add 3 ... subtract 9	Start with 17 ... subtract 9 ... double it
<b>Make a ten to subtract</b>	Start with 16 ... Subtract 8 ... add 2	Start with 12 ... subtract 5 ... add 1	Start with 8 ... add 6 ... subtract 7	Start with 4 ... add 8 ... subtract 7	Start with 13 ... subtract 4 ... add 2	Start with 12 ... subtract 5 ... subtract 2	Start with 15 ... subtract 8 ... subtract 2

## Mental Math Themes

Equal Groups	Start with 2 groups of 3 ... add 1 ... subtract 2	Start with 2 groups of 4 ... add 2 ... subtract 1	Start with 2 groups of 2 ... add 1 ... double it	Start with 2 groups of 5 ... add 1 ... subtract 2	Start with 2 groups of 3 ... add 1 ... double it	Start with 2 groups of 4 ... add 2 ... subtract 6	Start with 2 groups of 5 ... add 8 ... subtract 2
Equal Groups	Start with 3 groups of 2 ... add 1 ... subtract 2	Start with 3 groups of 3 ... add 2 ... subtract 1	Start with 2 groups of 4 ... add 1 ... double it	Start with 3 groups of 4 ... add 2 ... subtract 1	Start with 3 groups of 3 ... add 1 ... add 3	Start with 3 groups of 4 ... subtract 2 ... add 5	Start with 3 groups of 5 ... add 1 ... subtract 2
Half	Half of 8 ... Add 1 ... add 5	Half of 12 ... add 4 ... add 6	Half of 10 ... add 7 ... subtract 2	Half of 20 ... add 8 ... subtract 2	Half of 16 ... add 2 ... Half of that	Half of 18 ... add 1 ... subtract 2	Half of 14 ... add 4 ... subtract 2
Half	Half of 30 ... Add 5 ... add 5	Half of 50 ... add 5 ... add 10	Half of 100 ... add 10 ... subtract 2	Half of 30 ... subtract 5 ... subtract 2	Half of 50 ... subtract 5 ... Half of that	Half of 100 ... Half of that ... subtract 5	Half of 40 ... subtract 10 ... subtract 2
Geometry/ Equal Groups	The number of sides on 3 triangles ... Double that ... add 2	The number of sides on 4 triangles ... Half of that ... add 4	The number of sides on 2 squares ... Double that ... add 2	The number of sides on 3 rectangles ... subtract 2 ... subtract 1	The number of sides on 3 pentagons ... Double that ... add 2	The number of sides on 2 triangles ... subtract 2 ... add 5	The number of sides on 5 pentagons ... Double that ... add 2

## Mental Math Themes

<b>Customary Measurement</b>  <b>Linear</b>	The number of inches in a foot ... subtract 2 ... half of that	The number of inches in a foot ... take half of that ... take half of that	The number of inches in 2 feet ... subtract 4 ... take half of that	The number of feet in 2 feet ... take half of that ... subtract 1	The number of inches in a foot ... subtract 2 ... subtract 2	The number of inches in 2 feet ... add 2 ... add 2	The number of inches in a foot ... subtract 2 ... half of that
<b>Customary Measurement</b>  <b>Linear</b>	The number of feet in a yard ... add 1 ... half of that	The number of feet in a yard ... double that ... add 1	The number of feet in a yard ... add 4 ... add 3	The number of feet in 2 yards ... take half of that ... subtract 1	The number of feet in 2 yards ... double that ... subtract 2	The number of feet in 3 yards ... add 2 ... add 2	The number of feet in 3 yards ... subtract 3 ... half of that
<b>Multiplication X5</b>	4 x 5 ... divided in half ... add 2	3 x 5 ... subtract 10 ... add 2	5 x 5 ... add 5 ... divide it in half	5 x 7 ... subtract 10 ... subtract 2	8 x 5 ... divided in half ... add 5	9 x 5 ... subtract 10 ... subtract 10	10 x 5 ... divided in half ... add 2
<b>Multiplication X 10</b>	4 x 10 ... divided in half ... add 2	3 x 10 ... subtract 10 ... add 2	10 x 5 ... divide it in half ... subtract 5	10 x 7 ... subtract 10 ... divide it in half	8 x 10 ... add 20 ... divide it in half	9 x 10 ... subtract 10 ... subtract 10	10 x 10 ... divided in half ... add 2
<b>Time</b>	The number of days in a week ... add 1 ... half of that	The number of days in a week ... double that ... add 1	The number of days in a week ... add 4 ... subtract 3	The number of days in 2 weeks ... take half of that ... subtract 1	The number of days in 2 weeks ... subtract 10 ... subtract add 6	The number of days in 2 weeks ... add 2 ... half of that	The number of days in 2 weeks ... subtract 4 ... half of that

## Mental Math Themes

<b>Geometry X 3</b>	Start with the number of sides on a triangle ... add 3 ... add 3	Start with the number of sides on 2 triangles ... add 3 ... add 3	Start with the number of sides on 2 triangles ... add 4 ... half of that	Start with the number of sides on 3 triangles ... add 3 ... add 3	Start with the number of sides on 3 triangles ... add 5 ... subtract 10	Start with the number of sides on 4 triangles ... add 3 ... add 3	Start with the number of sides on 5 triangles ... add 3 ... add 3
<b>X3</b>	3 x 5 ... add 5 ... half of that	5 x 3 ... add 1 ... subtract 10	3 x 6 ... add 2 ... half of that	4 x 3 ... half of that ... add 2	3 x 3 ... add 1 ... double it	9 x 3 ... add 3 ... half of that	3 x 4 ... double that ... subtract 4
<b>X4</b>	3 x 4 ... doubled ... subtract 4	5 x 4 ... half of that ... subtract 10	4 x 6 ... subtract 10 ... subtract 10	4 x 3 ... half of that ... add 2	7 x 4 ... add 2 ... double it	9 x 4 ... add 4 ... half of that	3 x 4 ... add 4 ... add 4

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