

$$\sum_{i=0}^n x_i^a$$

$$y = \frac{\Delta x}{\Delta z}$$

$$(y-1)^2$$

$$\ln = \sqrt{a \times b}$$

$$\sum_{n=0}^{+\infty} \frac{x^n}{n!}$$

$$\sin a = \frac{b}{c}$$

$$a^2 + b^2 = c^2$$

WHDHS

FAST FACTS MATHS

BOOK ONE: ADDITION & SUBTRACTION

Instructions on how to make this work at home.

$$B \lim_{x \rightarrow 1} \frac{\text{ctgx} - 2}{2 \sqrt{11 \times 3}}$$

$$Q''$$

$$\int (x \pm a^2)^c$$

$$\sum = n - 1$$

$$\frac{A - C}{C} =$$

Instructions for Parents

Where to begin...

Your child/ children will have a level that has been given to them by their classroom teacher. These levels are between 1 - 26

Students need to complete the fast facts 3 times per week.

Each year group has a different time to complete as many of the fast facts as possible.

When students attain the minimum score in three consecutive fast fact sessions they can move onto the next level.

Year Group	Time for Mental Maths Drill	Minimum Score to indicate Mastery
1	4 min	80
2	3 min	60
3	2 ½ min	50
4	2	40
5/6	1 ½ min	30

Name

Mental Maths - Count On 0,1,2

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
$1+1=$	$0+2=$	$8+0=$	$7+1=$
$11+0=$	$14+1=$	$9+2=$	$1+3=$
$5+2=$	$2+8=$	$17+2=$	$3+2=$
$1+0=$	$14+2=$	$2+1=$	$4+0=$
$8+2=$	$18+0=$	$13+2=$	$12+0=$
$7+0=$	$0+1=$	$2+3=$	$17+1=$
$1+7=$	$14+0=$	$18+1=$	$1+10=$
$9+1=$	$19+2=$	$3+0=$	$0+8=$
$0+7=$	$2+2=$	$13+0=$	$11+1=$
$4+2=$	$1+4=$	$12+1=$	$17+0=$
$15+1=$	$16+2=$	$12+2=$	$3+1=$
$11+2=$	$8+1=$	$0+0=$	$1+9=$
$15+0=$	$6+0=$	$2+6=$	$16+1=$
$4+1=$	$2+4=$	$1+2=$	$1+5=$
$0+6=$	$19+1=$	$5+0=$	$20+0=$
$10+0=$	$0+5=$	$7+2=$	$2+5=$
$2+0=$	$10+2=$	$9+0=$	$6+1=$
$10+1=$	$18+2=$	$2+7=$	$6+2=$
$1+8=$	$2+9=$	$13+1=$	$16+0=$
$19+0=$	$5+1=$	$1+6=$	$15+2=$

Name

Mental Maths - Count Back 0,1,2

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>1-1=</i>	<i>2-0=</i>	<i>8-0=</i>	<i>7-1=</i>
<i>11-0=</i>	<i>14-1=</i>	<i>9-2=</i>	<i>3-1=</i>
<i>5-2=</i>	<i>8-2=</i>	<i>17-2=</i>	<i>3-2=</i>
<i>1-0=</i>	<i>14-2=</i>	<i>2-1=</i>	<i>4-0=</i>
<i>8-2=</i>	<i>18-0=</i>	<i>13-2=</i>	<i>12-0=</i>
<i>7-0=</i>	<i>1-0=</i>	<i>3-2=</i>	<i>17-1=</i>
<i>7-1=</i>	<i>14-0=</i>	<i>18-1=</i>	<i>10-1=</i>
<i>9-1=</i>	<i>19-2=</i>	<i>3-0=</i>	<i>8-0=</i>
<i>7-2=</i>	<i>2-2=</i>	<i>13-0=</i>	<i>11-1=</i>
<i>4-2=</i>	<i>4-1=</i>	<i>12-1=</i>	<i>17-0=</i>
<i>15-1=</i>	<i>16-2=</i>	<i>12-2=</i>	<i>3-1=</i>
<i>11-2=</i>	<i>8-1=</i>	<i>0-0=</i>	<i>9-1=</i>
<i>15-0=</i>	<i>6-0=</i>	<i>6-2=</i>	<i>16-2=</i>
<i>4-1=</i>	<i>4-2=</i>	<i>2-1=</i>	<i>5-1=</i>
<i>6-0=</i>	<i>19-1=</i>	<i>5-0=</i>	<i>20-0=</i>
<i>10-0=</i>	<i>5-0=</i>	<i>7-2=</i>	<i>5-2=</i>
<i>2-0=</i>	<i>10-2=</i>	<i>9-0=</i>	<i>6-1=</i>
<i>10-1=</i>	<i>18-2=</i>	<i>7-2=</i>	<i>6-2=</i>
<i>8-1=</i>	<i>9-2=</i>	<i>13-1=</i>	<i>16-0=</i>
<i>19-0=</i>	<i>5-1=</i>	<i>6-1=</i>	<i>15-2=</i>

Name

Mental Maths - Count On/Back 0,1,2

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>1+1=</i>	<i>2-0=</i>	<i>8-0=</i>	<i>7+1=</i>
<i>11-0=</i>	<i>14+1=</i>	<i>9+2=</i>	<i>3+1=</i>
<i>5+2=</i>	<i>8-2=</i>	<i>17-2=</i>	<i>3-2=</i>
<i>1+0=</i>	<i>14-2=</i>	<i>2-1=</i>	<i>4+0=</i>
<i>8-2=</i>	<i>18+0=</i>	<i>13+2=</i>	<i>12-0=</i>
<i>7-0=</i>	<i>1+0=</i>	<i>3-2=</i>	<i>17-1=</i>
<i>7+1=</i>	<i>14+0=</i>	<i>18+1=</i>	<i>10+1=</i>
<i>9-1=</i>	<i>19+2=</i>	<i>3+0=</i>	<i>8-0=</i>
<i>7-2=</i>	<i>2-2=</i>	<i>13-0=</i>	<i>11+1=</i>
<i>4+2=</i>	<i>4-1=</i>	<i>12-1=</i>	<i>17+0=</i>
<i>15+1=</i>	<i>16-2=</i>	<i>12+2=</i>	<i>3+1=</i>
<i>11-2=</i>	<i>8-1=</i>	<i>0+0=</i>	<i>9-1=</i>
<i>15+0=</i>	<i>6+0=</i>	<i>6-2=</i>	<i>16+2=</i>
<i>4-1=</i>	<i>4+2=</i>	<i>2-1=</i>	<i>5+1=</i>
<i>6+0=</i>	<i>19-1=</i>	<i>5-0=</i>	<i>20-0=</i>
<i>10+0=</i>	<i>5-0=</i>	<i>7+2=</i>	<i>5-2=</i>
<i>2-0=</i>	<i>10+2=</i>	<i>9-0=</i>	<i>6-1=</i>
<i>10+1=</i>	<i>18+2=</i>	<i>7+2=</i>	<i>6+2=</i>
<i>8-1=</i>	<i>9+2=</i>	<i>13-1=</i>	<i>16+0=</i>
<i>19-0=</i>	<i>5-1=</i>	<i>6+1=</i>	<i>15-2=</i>

Name

Mental Maths - Add 10

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>9+10=</i>	<i>2+10=</i>	<i>8+10=</i>	<i>7+10=</i>
<i>10+1=</i>	<i>10+4=</i>	<i>10+9=</i>	<i>10+3=</i>
<i>5+10=</i>	<i>10+8=</i>	<i>7+10=</i>	<i>2+10=</i>
<i>10+10=</i>	<i>9+10=</i>	<i>10+2=</i>	<i>4+10=</i>
<i>10+8=</i>	<i>5+10=</i>	<i>3+10=</i>	<i>1+10=</i>
<i>7+10=</i>	<i>10+1=</i>	<i>4+10=</i>	<i>10+7=</i>
<i>10+10=</i>	<i>4+10=</i>	<i>8+10=</i>	<i>10+10=</i>
<i>9+10=</i>	<i>10+9=</i>	<i>10+3=</i>	<i>10+8=</i>
<i>10+6=</i>	<i>2+10=</i>	<i>5+10=</i>	<i>10+1=</i>
<i>10+4=</i>	<i>3+10=</i>	<i>2+10=</i>	<i>0+10=</i>
<i>10+2=</i>	<i>6+10=</i>	<i>0+10=</i>	<i>10+3=</i>
<i>1+10=</i>	<i>10+8=</i>	<i>10+10=</i>	<i>9+10=</i>
<i>5+10=</i>	<i>7+10=</i>	<i>6+10=</i>	<i>10+6=</i>
<i>10+4=</i>	<i>4+10=</i>	<i>2+10=</i>	<i>10+5=</i>
<i>6+10=</i>	<i>9+10=</i>	<i>10+5=</i>	<i>0+10=</i>
<i>0+10=</i>	<i>10+5=</i>	<i>7+10=</i>	<i>5+10=</i>
<i>10+2=</i>	<i>0+10=</i>	<i>9+10=</i>	<i>6+10=</i>
<i>1+10=</i>	<i>10+8=</i>	<i>1+10=</i>	<i>10+3=</i>
<i>8+10=</i>	<i>9+10=</i>	<i>10+3=</i>	<i>4+10=</i>
<i>10+9=</i>	<i>10+3=</i>	<i>6+10=</i>	<i>10+2=</i>

Name

Mental Maths - Take 10

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>19-10=</i>	<i>12-10=</i>	<i>18-10=</i>	<i>17-10=</i>
<i>11-10=</i>	<i>14-10=</i>	<i>19-10=</i>	<i>13-10=</i>
<i>15-10=</i>	<i>18-10=</i>	<i>17-10=</i>	<i>12-10=</i>
<i>10-10=</i>	<i>19-10=</i>	<i>12-10=</i>	<i>14-10=</i>
<i>18-10=</i>	<i>15-10=</i>	<i>13-10=</i>	<i>11-10=</i>
<i>17-10=</i>	<i>11-10=</i>	<i>14-10=</i>	<i>17-10=</i>
<i>20-10=</i>	<i>14-10=</i>	<i>18-10=</i>	<i>10-10=</i>
<i>19-10=</i>	<i>19-10=</i>	<i>13-10=</i>	<i>18-10=</i>
<i>16-10=</i>	<i>12-10=</i>	<i>15-10=</i>	<i>11-10=</i>
<i>14-10=</i>	<i>13-10=</i>	<i>12-10=</i>	<i>20-10=</i>
<i>12-10=</i>	<i>16-10=</i>	<i>20-10=</i>	<i>13-10=</i>
<i>11-10=</i>	<i>18-10=</i>	<i>10-10=</i>	<i>19-10=</i>
<i>15-10=</i>	<i>17-10=</i>	<i>16-10=</i>	<i>16-10=</i>
<i>14-10=</i>	<i>14-10=</i>	<i>12-10=</i>	<i>15-10=</i>
<i>16-10=</i>	<i>19-10=</i>	<i>15-10=</i>	<i>20-10=</i>
<i>10-10=</i>	<i>15-10=</i>	<i>17-10=</i>	<i>15-10=</i>
<i>12-10=</i>	<i>10-10=</i>	<i>19-10=</i>	<i>16-10=</i>
<i>11-10=</i>	<i>18-10=</i>	<i>11-10=</i>	<i>13-10=</i>
<i>18-10=</i>	<i>19-10=</i>	<i>13-10=</i>	<i>14-10=</i>
<i>19-10=</i>	<i>13-10=</i>	<i>16-10=</i>	<i>12-10=</i>

Name

Mental Maths - Add/Take 10

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
<i>19-10=</i>	<i>10+2=</i>	<i>18-10=</i>	<i>7+10=</i>
<i>10+1=</i>	<i>10+4=</i>	<i>9+10=</i>	<i>13-10=</i>
<i>15-10=</i>	<i>8+10=</i>	<i>17-10=</i>	<i>12-10=</i>
<i>10-10=</i>	<i>10+9=</i>	<i>10+2=</i>	<i>4+10=</i>
<i>18-10=</i>	<i>15-10=</i>	<i>13-10=</i>	<i>11-10=</i>
<i>7+10=</i>	<i>1+10=</i>	<i>14-10=</i>	<i>17-10=</i>
<i>20-10=</i>	<i>14-10=</i>	<i>10+8=</i>	<i>10+0=</i>
<i>9+10=</i>	<i>19-10=</i>	<i>13-10=</i>	<i>18-10=</i>
<i>6+10=</i>	<i>12-10=</i>	<i>15-10=</i>	<i>11-10=</i>
<i>14-10=</i>	<i>10+3=</i>	<i>10+2=</i>	<i>20-10=</i>
<i>10+2=</i>	<i>16-10=</i>	<i>0+10=</i>	<i>10+3=</i>
<i>11-10=</i>	<i>18-10=</i>	<i>10+10=</i>	<i>10+9=</i>
<i>15-10=</i>	<i>10+7=</i>	<i>16-10=</i>	<i>6+10=</i>
<i>14-10=</i>	<i>14-10=</i>	<i>12-10=</i>	<i>15-10=</i>
<i>10+6=</i>	<i>10+9=</i>	<i>10+5=</i>	<i>20-10=</i>
<i>10-10=</i>	<i>15-10=</i>	<i>17-10=</i>	<i>5+10=</i>
<i>2+10=</i>	<i>10+10=</i>	<i>10+9=</i>	<i>16-10=</i>
<i>10+1=</i>	<i>18-10=</i>	<i>11-10=</i>	<i>13-10=</i>
<i>18-10=</i>	<i>19-10=</i>	<i>10+3=</i>	<i>4+10=</i>
<i>19-10=</i>	<i>10+3=</i>	<i>16-10=</i>	<i>12-10=</i>

Name

Mental Maths - Friends of 10 (+)

1	2	3	4
$7 + \underline{\quad} = 10$	$1 + \underline{\quad} = 10$	$\underline{\quad} + 0 = 10$	$8 + 2 =$
$1 + \underline{\quad} = 10$	$\underline{\quad} + 8 = 10$	$9 + \underline{\quad} = 10$	$1 + \underline{\quad} = 10$
$3 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$	$8 + 2 =$	$4 + 6 =$
$4 + 6 =$	$1 + 9 =$	$5 + \underline{\quad} = 10$	$8 + \underline{\quad} = 10$
$5 + \underline{\quad} = 10$	$\underline{\quad} + 6 = 10$	$\underline{\quad} + 4 = 10$	$5 + \underline{\quad} = 10$
$0 + \underline{\quad} = 10$	$\underline{\quad} + 7 = 10$	$8 + 2 =$	$\underline{\quad} + 10 = 10$
$\underline{\quad} + 3 = 10$	$4 + 6 =$	$3 + 7 =$	$2 + 8 =$
$10 + 0 =$	$6 + 4 =$	$7 + \underline{\quad} = 10$	$10 + 0 =$
$2 + 8 =$	$10 + \underline{\quad} = 10$	$\underline{\quad} + 2 = 10$	$6 + 4 =$
$\underline{\quad} + 4 = 10$	$3 + \underline{\quad} = 10$	$\underline{\quad} + 7 = 10$	$5 + \underline{\quad} = 10$
$6 + \underline{\quad} = 10$	$9 + \underline{\quad} = 10$	$6 + \underline{\quad} = 10$	$\underline{\quad} + 9 = 10$
$1 + 9 =$	$7 + 3 =$	$\underline{\quad} + 9 = 10$	$\underline{\quad} + 5 = 10$
$\underline{\quad} + 5 = 10$	$2 + \underline{\quad} = 10$	$3 + 7 =$	$4 + \underline{\quad} = 10$
$2 + \underline{\quad} = 10$	$\underline{\quad} + 6 = 10$	$\underline{\quad} + 6 = 10$	$\underline{\quad} + 0 = 10$
$8 + 2 =$	$1 + 9 =$	$10 + \underline{\quad} = 10$	$5 + \underline{\quad} = 10$
$7 + 3 =$	$\underline{\quad} + 1 = 10$	$\underline{\quad} + 4 = 10$	$9 + 1 =$
$3 + \underline{\quad} = 10$	$6 + \underline{\quad} = 10$	$5 + 5 =$	$8 + \underline{\quad} = 10$
$5 + 5 =$	$0 + 10 =$	$3 + \underline{\quad} = 10$	$7 + \underline{\quad} = 10$
$6 + 4 =$	$10 + 0 =$	$\underline{\quad} + 3 = 10$	$5 + 5 =$
$4 + \underline{\quad} = 10$	$\underline{\quad} + 5 = 10$	$9 + 1 =$	$\underline{\quad} + 3 = 10$

Name

Mental Maths - Friends of 10 (-)

1	2	3	4
$10-7=$	$10- \underline{\quad} =10$	$10- \underline{\quad} =2$	$10-8=$
$10- \underline{\quad} =10$	$\underline{\quad}-1=9$	$10- \underline{\quad} =1$	$\underline{\quad}-4=6$
$10- \underline{\quad} =4$	$10-3=$	$\underline{\quad}-0=10$	$10-4=$
$10- \underline{\quad} =9$	$10-9=$	$10-4=$	$\underline{\quad}-3=7$
$\underline{\quad}-1=9$	$10- \underline{\quad} =5$	$10-2=$	$10-5=$
$10- \underline{\quad} =10$	$\underline{\quad}-2=8$	$10-10=$	$10- \underline{\quad} =4$
$10-9=$	$10- \underline{\quad} =3$	$10-7=$	$\underline{\quad}-2=8$
$\underline{\quad}-3=7$	$10-6=$	$\underline{\quad}-10=0$	$10-0=$
$10-2=$	$\underline{\quad}-7=3$	$10- \underline{\quad} =1$	$10-8=$
$\underline{\quad}-2=8$	$10-3=$	$\underline{\quad}-3=7$	$10-1=$
$10- \underline{\quad} =0$	$\underline{\quad}-5=5$	$10-6=$	$\underline{\quad}-1=9$
$10-3=$	$\underline{\quad}-6=4$	$10- \underline{\quad} =6$	$10-2=$
$10- \underline{\quad} =8$	$10-7=$	$10- \underline{\quad} =1$	$\underline{\quad}-8=2$
$10-2=$	$10- \underline{\quad} =9$	$\underline{\quad}-5=5$	$10- \underline{\quad} =7$
$\underline{\quad}-4=6$	$10- \underline{\quad} =2$	$10- \underline{\quad} =10$	$10-5=$
$10-7=$	$10-4=$	$\underline{\quad}-9=1$	$\underline{\quad}-4=6$
$10- \underline{\quad} =0$	$10- \underline{\quad} =7$	$10-5=$	$10-8=$
$10- \underline{\quad} =9$	$10-1=$	$10- \underline{\quad} =6$	$10- \underline{\quad} =5$
$10-6=$	$10-6=$	$10- \underline{\quad} =8$	$10-7=$
$10-4=$	$10- \underline{\quad} =3$	$10-9=$	$10-5=$

Name

Mental Maths - Friends of 10 (+/-)

1	2	3	4
$7 + \underline{\quad} = 10$	$10 - \underline{\quad} = 10$	$\underline{\quad} + 0 = 10$	$8 + 2 =$
$10 - \underline{\quad} = 10$	$\underline{\quad} + 8 = 10$	$9 + \underline{\quad} = 10$	$1 + \underline{\quad} = 10$
$3 + \underline{\quad} = 10$	$10 - 3 =$	$8 + 2 =$	$10 - 4 =$
$10 - \underline{\quad} = 9$	$10 - 9 =$	$10 - 4 =$	$\underline{\quad} - 3 = 7$
$5 + \underline{\quad} = 10$	$\underline{\quad} + 6 = 10$	$10 - 2 =$	$5 + \underline{\quad} = 10$
$0 + \underline{\quad} = 10$	$\underline{\quad} + 7 = 10$	$10 - 10 =$	$\underline{\quad} + 10 = 10$
$10 - 9 =$	$4 + 6 =$	$3 + 7 =$	$2 + 8 =$
$\underline{\quad} - 3 = 7$	$6 + 4 =$	$\underline{\quad} - 10 = 0$	$10 - 0 =$
$2 + 8 =$	$\underline{\quad} - 7 = 3$	$\underline{\quad} + 2 = 10$	$10 - 8 =$
$\underline{\quad} + 4 = 10$	$10 - 3 =$	$\underline{\quad} - 3 = 7$	$5 + \underline{\quad} = 10$
$10 - \underline{\quad} = 0$	$9 + \underline{\quad} = 10$	$6 + \underline{\quad} = 10$	$\underline{\quad} + 9 = 10$
$10 - 3 =$	$\underline{\quad} - 6 = 4$	$\underline{\quad} + 9 = 10$	$\underline{\quad} + 5 = 10$
$10 - \underline{\quad} = 8$	$2 + \underline{\quad} = 10$	$10 - \underline{\quad} = 1$	$\underline{\quad} - 8 = 2$
$2 + \underline{\quad} = 10$	$10 - \underline{\quad} = 9$	$\underline{\quad} - 5 = 5$	$\underline{\quad} + 0 = 10$
$8 + 2 =$	$1 + 9 =$	$10 - \underline{\quad} = 10$	$10 - 5 =$
$7 + 3 =$	$10 - 4 =$	$\underline{\quad} + 4 = 10$	$9 + 1 =$
$10 - \underline{\quad} = 0$	$6 + \underline{\quad} = 10$	$10 - 5 =$	$8 + \underline{\quad} = 10$
$5 + 5 =$	$10 - 1 =$	$10 - \underline{\quad} = 6$	$10 - \underline{\quad} = 5$
$10 - 6 =$	$10 - 6 =$	$\underline{\quad} + 3 = 10$	$5 + 5 =$
$4 + \underline{\quad} = 10$	$\underline{\quad} + 5 = 10$	$9 + 1 =$	$10 - 5 =$

Name

Mental Maths - Near Friends of 10

<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
$7+4=$	$1+8=$	$4+7=$	$5+6=$
$1+8=$	$6+3=$	$2+7=$	$3+6=$
$3+6=$	$4+5=$	$0+9=$	$2+9=$
$4+7=$	$9+0=$	$9+2=$	$7+4=$
$5+6=$	$7+2=$	$8+3=$	$9+0=$
$0+9=$	$1+10=$	$8+1=$	$5+4=$
$8+3=$	$9+2=$	$6+5=$	$0+9=$
$9+0=$	$6+3=$	$8+1=$	$1+8=$
$2+9=$	$3+8=$	$2+7=$	$1+10=$
$2+7=$	$1+8=$	$8+1=$	$4+5=$
$6+3=$	$3+6=$	$4+5=$	$6+3=$
$1+10=$	$8+1=$	$2+7=$	$0+9=$
$4+5=$	$7+2=$	$7+4=$	$8+3=$
$2+7=$	$10+1=$	$3+8=$	$5+6=$
$8+1=$	$5+4=$	$4+7=$	$6+5=$
$7+4=$	$8+3=$	$2+9=$	$4+5=$
$3+8=$	$5+6=$	$3+6=$	$1+10=$
$5+6=$	$7+4=$	$2+7=$	$6+3=$
$5+4=$	$8+1=$	$6+3=$	$5+4=$
$4+7=$	$10+1=$	$4+5=$	$3+8=$

Name

Mental Maths - Doubles (+)

1	2	3	4	5	6
$2+2=$	$8+8=$	$0+0=$	$4+4=$	$7+7=$	$1+1=$
$1+1=$	$1+1=$	$3+3=$	$5+5=$	$1+1=$	$3+3=$
$9+9=$	$3+3=$	$8+8=$	$7+7=$	$3+3=$	$4+4=$
$0+0=$	$10+10=$	$5+5=$	$4+4=$	$5+5=$	$8+8=$
$10+10=$	$2+2=$	$7+7=$	$2+2=$	$6+6=$	$10+10=$
$3+3=$	$9+9=$	$4+4=$	$10+10=$	$4+4=$	$2+2=$
$4+4=$	$6+6=$	$2+2=$	$2+2=$	$7+7=$	$4+4=$
$5+5=$	$4+4=$	$10+10=$	$1+1=$	$1+1=$	$3+3=$
$6+6=$	$7+7=$	$6+6=$	$9+9=$	$3+3=$	$10+10=$
$2+2=$	$1+1=$	$9+9=$	$0+0=$	$8+8=$	$1+1=$
$7+7=$	$3+3=$	$7+7=$	$5+5=$	$0+0=$	$9+9=$
$8+8=$	$8+8=$	$1+1=$	$3+3=$	$5+5=$	$6+6=$
$1+1=$	$0+0=$	$3+3=$	$1+1=$	$10+10=$	$4+4=$
$5+5=$	$9+9=$	$8+8=$	$6+6=$	$2+2=$	$8+8=$
$6+6=$	$5+5=$	$5+5=$	$4+4=$	$4+4=$	$5+5=$
$3+3=$	$5+5=$	$2+2=$	$7+7=$	$3+3=$	$2+2=$
$4+4=$	$7+7=$	$1+1=$	$8+8=$	$7+7=$	$6+6=$
$10+10=$	$4+4=$	$9+9=$	$1+1=$	$1+1=$	$4+4=$
$2+2=$	$2+2=$	$0+0=$	$3+3=$	$9+9=$	$7+7=$
$0+0=$	$10+10=$	$10+10=$	$9+9=$	$8+8=$	$1+1=$
$6+6=$	$3+3=$	$2+2=$	$1+1=$	$5+5=$	$8+8=$
$0+0=$	$4+4=$	$5+5=$	$3+3=$	$7+7=$	$7+7=$
$2+2=$	$8+8=$	$4+4=$	$5+5=$	$10+10=$	$1+1=$
$9+9=$	$10+10=$	$3+3=$	$0+0=$	$2+2=$	$3+3=$
$4+4=$	$2+2=$	$10+10=$	$2+2=$	$4+4=$	$5+5=$
$7+7=$	$4+4=$	$6+6=$	$8+8=$	$3+3=$	$2+2=$
$1+1=$	$3+3=$	$3+3=$	$5+5=$	$10+10=$	$0+0=$
$3+3=$	$5+5=$	$4+4=$	$7+7=$	$1+1=$	$9+9=$
$8+8=$	$1+1=$	$8+8=$	$4+4=$	$6+6=$	$4+4=$
$5+5=$	$10+10=$	$10+10=$	$8+8=$	$0+0=$	$6+6=$

Name

Mental Maths - Doubles (+/-)

1	2	3	4	5	6
$2+2=$	$8+8=$	$0-0=$	$8-4=$	$7+7=$	$10+10=$
$2-1=$	$1+1=$	$3+3=$	$5+5=$	$1+1=$	$3+3=$
$18-9=$	$3+3=$	$8+8=$	$7+7=$	$3+3=$	$4+4=$
$0+0=$	$10+10=$	$10-5=$	$4+4=$	$10-5=$	$8+8=$
$10+10=$	$2-1=$	$7+7=$	$2+2=$	$12-6=$	$20-10=$
$6-3=$	$9+9=$	$4+4=$	$10+10=$	$4+4=$	$2+2=$
$4+4=$	$6+6=$	$2+2=$	$4-2=$	$14-7=$	$8-4=$
$5+5=$	$8-4=$	$10+10=$	$1+1=$	$1+1=$	$6-3=$
$12-6=$	$7+7=$	$14-7=$	$18-9=$	$6-3=$	$10-5=$
$2+2=$	$20-10=$	$9+9=$	$0-0=$	$8+8=$	$1+1=$
$14-7=$	$3+3=$	$14-7=$	$10+10=$	$0+0=$	$9+9=$
$16-8=$	$16-8=$	$2-1=$	$6-3=$	$5+5=$	$12-6=$
$1+1=$	$0+0=$	$3+3=$	$1+1=$	$10+10=$	$4+4=$
$5+5=$	$6-3=$	$8+8=$	$12-6=$	$18-9=$	$8+8=$
$6+6=$	$8+8=$	$5+5=$	$2+2=$	$4+4=$	$1+1=$
$3+3=$	$10-5=$	$2+2=$	$7+7=$	$3+3=$	$18-9=$
$4+4=$	$14-7=$	$1+1=$	$8+8=$	$7+7=$	$6+6=$
$20-10=$	$4+4=$	$18-9=$	$1+1=$	$1+1=$	$8-4=$
$2+2=$	$4-2=$	$0+0=$	$3+3=$	$6-3=$	$14-7=$
$8-4=$	$10+10=$	$20-10=$	$14-7=$	$16-8=$	$2-1=$
$6+6=$	$3+3=$	$4-2=$	$2-1=$	$10-5=$	$2-1=$
$0+0=$	$4+4=$	$2+2=$	$3+3=$	$7+7=$	$14-7=$
$4-2=$	$16-8=$	$4+4=$	$5+5=$	$10+10=$	$1+1=$
$6+6=$	$10+10=$	$6-3=$	$0+0=$	$2+2=$	$6-3=$
$8-4=$	$4-2=$	$10+10=$	$6-3=$	$8-4=$	$5+5=$
$14-7=$	$8-4=$	$12-6=$	$8+8=$	$3+3=$	$2+2=$
$1+1=$	$6-3=$	$3+3=$	$10-5=$	$20-10=$	$0+0=$
$3+3=$	$20-10=$	$4+4=$	$14-7=$	$1+1=$	$18-9=$
$8+8=$	$1+1=$	$8+8=$	$4+4=$	$6-6=$	$4+4=$
$10-5=$	$10+10=$	$20-10=$	$16-8=$	$0+0=$	$12-6=$

Name

Mental Maths - Near Doubles (+)

1	2	3	4	5	6
$2+3=$	$9+8=$	$0+1=$	$4+5=$	$6+7=$	$1+0=$
$1+2=$	$0+1=$	$3+2=$	$5+4=$	$2+1=$	$3+2=$
$8+9=$	$4+3=$	$8+9=$	$7+8=$	$2+3=$	$4+3=$
$1+0=$	$9+10=$	$5+4=$	$4+3=$	$6+5=$	$8+7=$
$10+9=$	$3+2=$	$7+8=$	$2+3=$	$5+6=$	$10+9=$
$3+4=$	$8+9=$	$4+3=$	$10+9=$	$5+4=$	$2+1=$
$4+3=$	$7+6=$	$2+3=$	$2+1=$	$6+7=$	$4+3=$
$5+6=$	$3+4=$	$10+9=$	$1+2=$	$2+1=$	$3+2=$
$6+5=$	$8+7=$	$6+7=$	$9+8=$	$2+3=$	$10+9=$
$2+3=$	$2+1=$	$9+8=$	$0+1=$	$7+8=$	$1+2=$
$7+6=$	$2+3=$	$7+8=$	$5+6=$	$1+0=$	$9+10=$
$8+7=$	$9+8=$	$1+0=$	$3+2=$	$4+5=$	$6+5=$
$1+2=$	$1+0=$	$3+4=$	$1+2=$	$9+10=$	$4+3=$
$5+4=$	$8+9=$	$8+7=$	$6+5=$	$3+2=$	$8+7=$
$6+7=$	$4+5=$	$5+6=$	$4+5=$	$3+4=$	$5+4=$
$3+2=$	$6+5=$	$2+1=$	$7+6=$	$2+3=$	$2+1=$
$4+5=$	$6+7=$	$1+2=$	$8+7=$	$8+7=$	$6+7=$
$10+9=$	$5+4=$	$9+8=$	$1+2=$	$2+1=$	$4+3=$
$2+3=$	$3+2=$	$0+1=$	$3+2=$	$8+9=$	$7+8=$
$0+1=$	$9+10=$	$10+9=$	$9+10=$	$7+8=$	$1+0=$
$6+7=$	$4+3=$	$2+3=$	$1+0=$	$6+5=$	$8+9=$
$0+1=$	$3+4=$	$5+4=$	$3+4=$	$6+7=$	$7+6=$
$2+1=$	$9+8=$	$4+5=$	$5+4=$	$9+10=$	$1+2=$
$9+10=$	$9+10=$	$3+4=$	$0+1=$	$3+2=$	$3+2=$
$4+5=$	$3+2=$	$10+9=$	$2+1=$	$5+4=$	$5+6=$
$7+8=$	$3+4=$	$6+5=$	$8+9=$	$2+3=$	$2+1=$
$1+0=$	$4+3=$	$3+4=$	$5+4=$	$9+10=$	$0+1=$
$3+4=$	$4+5=$	$4+3=$	$7+8=$	$2+1=$	$9+10=$
$8+7=$	$2+1=$	$8+9=$	$4+5=$	$5+6=$	$4+5=$
$5+6=$	$9+10=$	$10+9=$	$8+7=$	$1+0=$	$6+5=$

Name

Mental Maths - Doubles & Near Doubles(+/-)

1	2	3	4	5	6
$2+3=$	$8+8=$	$0+1=$	$8-4=$	$6+7=$	$10+10=$
$1+2=$	$1+1=$	$3+2=$	$5+5=$	$2+1=$	$3+3=$
$8+9=$	$3+3=$	$8+9=$	$7+7=$	$2+3=$	$4+4=$
$0+0=$	$9+10=$	$10-5=$	$4+3=$	$10-5=$	$8+7=$
$10+10=$	$3+2=$	$7+7=$	$2+3=$	$12-6=$	$10+9=$
$6-3=$	$8+9=$	$4+4=$	$10+9=$	$4+4=$	$2+1=$
$4+3=$	$6+6=$	$2+3=$	$4-2=$	$6+7=$	$8-4=$
$5+6=$	$8-4=$	$10+9=$	$1+1=$	$2+1=$	$6-3=$
$6+5=$	$7+7=$	$6+7=$	$18-9=$	$2+3=$	$10-5=$
$2+2=$	$2+1=$	$9+9=$	$0+1=$	$8+8=$	$1+2=$
$14-7=$	$2+3=$	$14-7=$	$5+6=$	$0+0=$	$9+10=$
$16-8=$	$9+8=$	$2-1=$	$3+2=$	$5+5=$	$6+5=$
$1+2=$	$0+0=$	$3+4=$	$1+1=$	$9+10=$	$4+4=$
$5+4=$	$6-3=$	$8+7=$	$12-6=$	$3+2=$	$8+8=$
$6+7=$	$8+8=$	$5+6=$	$2+2=$	$3+4=$	$1+1=$
$3+3=$	$6+5=$	$2+2=$	$7+6=$	$3+3=$	$2+1=$
$4+4=$	$6+7=$	$1+1=$	$8+7=$	$7+7=$	$6+7=$
$20-10=$	$5+4=$	$18-9=$	$1+2=$	$1+1=$	$4+3=$
$2+3=$	$4-2=$	$0+1=$	$3+3=$	$8+9=$	$14-7=$
$0+1=$	$10+10=$	$10+9=$	$14-7=$	$7+8=$	$2-1=$
$6+7=$	$3+3=$	$2+3=$	$2-1=$	$6+5=$	$2-1=$
$0+0=$	$3+4=$	$2+2=$	$3+4=$	$7+7=$	$7+6=$
$4-2=$	$9+8=$	$4+4=$	$5+4=$	$10+10=$	$1+2=$
$6+6=$	$9+10=$	$6-3=$	$0+1=$	$2+2=$	$3+2=$
$4+5=$	$4-2=$	$10+9=$	$6-3=$	$5+4=$	$5+5=$
$7+8=$	$8-4=$	$6+5=$	$8+8=$	$2+3=$	$2+2=$
$1+0=$	$6-3=$	$3+4=$	$10-5=$	$9+10=$	$0+0=$
$3+3=$	$4+5=$	$4+4=$	$14-7=$	$7+8=$	$9+10=$
$8+8=$	$2+1=$	$8+8=$	$4+4=$	$4+5=$	$4+5=$
$10-5=$	$9+10=$	$20-10=$	$16-8=$	$8+7=$	$6+5=$

Name

Mental Maths - Bridging Ten

1	2	3	4	5	6
$9+6=$	$5+7=$	$6+8=$	$9+4=$	$8+9=$	$9+8=$
$6+9=$	$8+5=$	$8+3=$	$8+4=$	$8+7=$	$6+5=$
$7+6=$	$8+6=$	$7+6=$	$8+6=$	$7+9=$	$9+7=$
$9+8=$	$4+7=$	$9+3=$	$4+8=$	$9+5=$	$6+5=$
$8+4=$	$8+9=$	$8+3=$	$7+8=$	$8+4=$	$5+8=$
$7+8=$	$9+8=$	$3+7=$	$6+9=$	$3+9=$	$4+9=$
$4+7=$	$6+8=$	$8+6=$	$9+5=$	$4+7=$	$5+8=$
$3+9=$	$8+7=$	$9+6=$	$4+7=$	$6+8=$	$9+4=$
$8+7=$	$3+8=$	$6+9=$	$8+5=$	$8+3=$	$7+4=$
$7+5=$	$9+7=$	$5+9=$	$8+9=$	$7+6=$	$8+6=$
$9+5=$	$7+5=$	$9+8=$	$8+7=$	$9+3=$	$4+8=$
$8+4=$	$5+8=$	$8+4=$	$8+9=$	$8+3=$	$6+8=$
$3+9=$	$4+9=$	$7+8=$	$9+8=$	$3+9=$	$6+9=$
$4+9=$	$5+9=$	$4+7=$	$6+8=$	$8+7=$	$9+8=$
$9+4=$	$6+9=$	$9+8=$	$9+6=$	$6+7=$	$6+7=$
$8+4=$	$8+7=$	$7+9=$	$6+9=$	$8+5=$	$6+9=$
$8+6=$	$7+4=$	$9+7=$	$7+6=$	$9+5=$	$9+7=$
$4+8=$	$9+5=$	$9+5=$	$6+8=$	$4+7=$	$9+3=$
$7+8=$	$8+4=$	$5+8=$	$8+4=$	$8+9=$	$8+3=$
$9+2=$	$3+9=$	$4+9=$	$5+8=$	$9+8=$	$3+8=$
$9+3=$	$4+7=$	$5+8=$	$4+9=$	$6+8=$	$8+9=$
$9+8=$	$8+9=$	$9+4=$	$6+8=$	$9+7=$	$9+6=$
$8+5=$	$8+7=$	$7+4=$	$9+3=$	$8+5=$	$6+9=$
$9+7=$	$7+4=$	$8+6=$	$7+6=$	$8+9=$	$7+6=$
$7+5=$	$9+5=$	$4+8=$	$9+3=$	$8+7=$	$6+8=$
$5+8=$	$9+4=$	$6+8=$	$6+8=$	$8+9=$	$8+4=$
$4+9=$	$3+9=$	$6+9=$	$3+9=$	$9+7=$	$9+8=$
$5+7=$	$4+7=$	$9+4=$	$8+7=$	$6+8=$	$4+8=$
$9+4=$	$6+9=$	$9+7=$	$9+6=$	$9+8=$	$7+9=$
$8+4=$	$8+3=$	$8+5=$	$6+9=$	$7+5=$	$8+7=$

Name

Mental Maths - Addition

1	2	3	4	5	6	7	8
7+4=	2+0=	6+10=	4+6=	2+10=	3+10=	6+9=	1+5=
2+4=	5+0=	1+2=	3+3=	2+18=	4+5=	3+2=	3+15=
1+7=	3+14=	4+12=	1+0=	5+1=	1+1=	4+4=	1+12=
7+5=	5+14=	2+16=	5+15=	4+11=	7+7=	2+3=	7+3=
2+17=	3+4=	5+5=	3+12=	5+9=	7+2=	4+14=	5+3=
5+6=	1+13=	4+1=	7+6=	2+14=	1+18=	7+1	2+9=
1+3=	6+0=	3+0=	1+9=	3+7=	5+4=	1+6=	6+7=
3+9=	4+16=	5+13=	3+17=	7+8=	6+5=	4+3=	3+6=
2+7=	6+3=	2+1=	5+8=	6+2=	5+2=	3+1=	4+9=
7+13=	2+11=	6+11=	4+10=	1+4=	2+2=	6+6=	1+8=
1+16=	7+12=	4+7=	2+5=	4+2=	5+10=	7+0	3+11=
7+11=	3+13=	1+11=	5+12=	7+9=	1+15=	3+16=	1+19=
2+12=	5+7=	6+1=	4+13=	3+5=	7+10=	5+11=	4+15=
8+0=	3+8=	6+4=	6+12=	2+6=	6+13=	1+14=	6+14=
4+0=	1+10=	2+13=	1+17=	4+8=	2+8=	6+8=	2+15=
11+0=	13+0=	11+9=	10+1=	9+5=	10+10=	12+5=	10+9=
14+6=	8+9=	10+4=	8+12=	12+6=	8+2=	13+7=	8+11=
8+5=	11+8=	12+1=	12+7=	9+2=	11+3=	9+4=	12+4=
15+0=	10+0=	8+1=	11+2=	11+6=	10+7=	12+3=	13+6=
12+0=	14+5=	12+8=	14+4=	10+2=	14+3=	13+5=	8+7=
10+5=	9+6=	9+9=	13+2=	9+8=	8+10=	14+0=	15+3=
9+0=	13+1	11+1=	8+6=	12+2=	13+4=	11+4=	10+8=
17+0=	16+3=	11+7=	11+5=	13+3=	9+3=	10+3=	9+7=
17+2=	8+4=	9+1=	15+2=	16+1=	14+2=	8+3=	15+4=
9+10=	10+6=	15+1=	9+11=	8+8=	16+0=	15+5=	14+1=
18+2=	16+2=	17+3=	16+4=	18+0=	17+1=	19+0=	18+1=
7+4=	2+0=	6+10=	20+0=	19+1=	3+10=	6+9=	1+5=
2+10=	3+10=	6+9=	1+5=	7+4=	2+0=	6+10=	4+6=
2+18=	4+5=	3+2=	3+15=	2+4=	5+0=	1+2=	3+3=
5+1=	1+1=	4+4=	1+12=	1+7=	3+14=	4+12=	1+0=
4+11=	7+7=	2+3=	7+3=	7+5=	5+14=	2+16=	5+15=
5+9=	7+2=	4+14=	5+3=	2+17=	3+4=	5+5=	3+12=
2+14=	1+18=	7+1	2+9=	5+6=	1+13=	4+1=	7+6=
3+7=	5+4=	1+6=	6+7=	1+3=	6+0=	3+0=	1+9=
7+8=	6+5=	4+3=	3+6=	3+9=	4+16=	5+13=	3+17=
6+2=	5+2=	3+1=	4+9=	2+7=	6+3=	2+1=	5+8=
1+4=	2+2=	6+6=	1+8=	7+13=	2+11=	6+11=	4+10=
4+2=	5+10=	7+0	3+11=	1+16=	7+12=	4+7=	2+5=
7+9=	1+15=	3+16=	1+19=	7+11=	3+13=	1+11=	5+12=
3+5=	7+10=	5+11=	4+15=	2+12=	5+7=	6+1=	4+13=

Name

Mental Maths - Addition/Subtraction

1	2	3	4	5	6	7	8
8+3=	2+4=	3+13=	8+0=	5+0=	6+0=	7+9=	1+14=
1+6=	15+2=	13+3=	2+3=	11+3=	18-18=	2+12=	20-17=
8+1=	5+10=	17-3=	15-10=	20+0=	14+1=	9+0=	10+4=
3+2=	19+1=	1+9=	12+0=	3+8=	1+13=	4+2=	20-14=
15+1=	6+12=	16-0=	11+2=	20-10=	17-8=	18-0=	2+2=
2+16=	15-1=	5+13=	13+2=	5+4=	9+11=	4+12=	18-17=
20-1=	3+12=	10+0=	1+18=	19-0=	3+11=	18-7=	3+7=
7+4=	19+0=	10+5=	10+3=	10+10=	10+9=	1+2=	20-9=
12+5=	1+0=	20-0=	3+1=	2+1=	17-14=	16-15=	6+4=
7+11=	15+0=	7+2=	17-2=	11+9=	7+1=	5+9=	19-5=
19-15=	6+5=	4+11=	7+10=	13+1=	16-3=	17+1=	2+7=
2+11=	18+2=	19-6=	4+0=	4+7=	1+8=	7+13=	20-4=
18-16=	4+13=	2+18=	16-13=	18-13=	8+2=	3+17=	6+14=
18-9=	4+4=	15-15=	14+0=	6+10=	19-14=	19-19=	10+8=
4+1=	19-13=	9+6=	5+3=	18-6=	11+1=	4+10=	16+0=
19-1=	1+17=	3+15=	9+2=	2+10=	4+15=	9+5=	1+5=
1+10=	12+4=	14+6=	8+5=	11+8=	15-3=	17-15=	17-7=
20-16=	6+2=	16-7=	19-9=	1+1=	9+10=	3+3=	5+12=
5+7=	16-8=	2+14=	20-15=	16-6=	20-8=	17-6=	16-1=
14+2=	13+5=	12+3=	7+5=	8+9=	5+6=	16-12=	11+7=
18-2=	3+9=	6+9=	18+0=	13+4=	15+3=	8+11=	5+2=
2+0=	17-9=	15-0=	16-14=	14+5=	4+6=	15-4=	19-18=
18+1=	17+2=	4+16=	15+4=	3+4=	19-2=	4+3=	8+4=
11+4=	2+9=	20-2=	1+12=	15-2=	7+12=	9+9=	16-11=
8+8=	8+12=	6+11=	8+7=	15-5=	6+3=	17-16=	1+19=
6+7=	9+3=	17-10=	15-6=	13+6=	16-16=	17+0=	18-5=
10+6=	1+3=	3+16=	6+6=	1+15=	10+7=	14+4=	15+5=
18-10=	20-11=	10+2=	17-11=	12+2=	16-4=	4+9=	16-10=
3+5=	4+8=	13+7=	20-3=	15-7=	5+8=	15-8=	6+8=
20-7=	19-3=	7+0=	17-4=	4+5=	9+1=	2+5=	12+1=
7+3=	2+15=	19-16=	5+1=	17-1=	8+6=	10+1=	16-9=
18-3=	9+7=	5+11=	11+5=	6+1=	20-18=	15-9=	7+6=
1+11=	16+1=	17-5=	16-2=	8+10=	1+4=	3+14=	18-12=
17-13=	5+5=	20-5=	18-1=	17-12=	13+0=	17-17=	2+17=
19-12=	17+3=	1+16=	5+14=	9+8=	18-11=	14+3=	11+6=
16+2=	12+6=	19-10=	20-12=	2+13=	4+14=	2+8=	17-0=
2+6=	19-11=	18-14=	3+0=	19-7=	15-11=	16+4=	15-12=
18-15=	3+10=	7+7=	16+3=	19-4=	12+8=	9+4=	20-13=
12+7=	20-19=	19-17=	7+8=	11+0=	3+6=	20-6=	6+13=
5+15=	18-8=	1+7=	20-20=	18-4=	16-5=	19-8=	15-13=