



Name:

Year 5 & 6 - 100 seconds



BIG MATHS...


BEAT THAT!

My 'Beat That'
score was...



$3+2=$	$6 \times 2=$	$7+5=$	$8 \times 2=$	$8+3=$	$5+4=$	$9+4=$	$4 \times 2=$
$7+4=$	$6+6=$	$9 \times 7=$	$9+2=$	$7 \times 2=$	$5+5=$	$6 \times 3=$	$6+4=$
$7 \times 6=$	$4 \times 3=$	$4+4=$	$8 \times 5=$	$8+2=$	$8+4=$	$9+6=$	$4 \times 4=$
$9 \times 9=$	$4+3=$	$9+3=$	$3 \times 3=$	$5 \times 2=$	$6+2=$	$5 \times 5=$	$8 \times 6=$
$5+2=$	$5+3=$	$2+2=$	$8+5=$	$9 \times 5=$	$9+5=$	$8+7=$	$6 \times 5=$
$6+5=$	$7 \times 7=$	$9 \times 6=$	$6 \times 6=$	$4+2=$	$7 \times 5=$	$9+7=$	$9 \times 3=$
$7 \times 3=$	$7+6=$	$7+2=$	$3 \times 2=$	$9+8=$	$6+3=$	$9 \times 4=$	$5 \times 3=$
$8 \times 4=$	$8 \times 3=$	$9 \times 8=$	$8 \times 7=$	$8 \times 8=$	$7+7=$	$9 \times 2=$	$6 \times 4=$
$3+3=$	$7+3=$	$8+6=$	$8+8=$	$2 \times 2=$	$9+9=$	$5 \times 4=$	$7 \times 4=$

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score was...*

5+2=	8x7=	7+3=	8+6=	9x2=	9+3=	3x3=	7x7=
9x9=	9+9=	5x4=	7x4=	9+5=	5+3=	6x5=	8+7=
6+4=	7+7=	4+3=	6x4=	4+4=	8x5=	4x3=	8x3=
9+4=	4x2=	5x5=	6+2=	7+5=	8x2=	6x2=	7x6=
6+5=	7+6=	7+4=	3x2=	9x7=	9+2=	6+6=	8+5=
7x3=	8+8=	2x2=	9x6=	3+2=	6x3=	5+5=	6x6=
9+7=	9x3=	6+3=	7+2=	8+4=	9+6=	4x4=	3+3=
5+4=	5x3=	9x4=	9x8=	8x6=	2+2=	7x2=	8x4=
9+8=	9x5=	8+2=	8x8=	4+2=	5x2=	8+3=	7x5=

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~~72~~

9+7=	6+3=	9x4=	7+7=	9x9=	6x4=	9x6=	6+5=
8x7=	5x3=	6+4=	9+5=	5+2=	6x5=	7+2=	7x3=
8+5=	7x5=	8+7=	7x6=	8+2=	7x7=	9x8=	5+3=
6x6=	9+4=	4x2=	8+3=	5x2=	4+3=	8+8=	2x2=
9x3=	9+3=	3x3=	7x2=	9x5=	8x3=	6+2=	5x5=
7+6=	2+2=	3x2=	3+2=	4+2=	6x2=	7+5=	8x2=
8+4=	9+6=	4x4=	8x4=	9+8=	6+6=	9x7=	9+2=
7+4=	7+3=	8+6=	5+4=	8x8=	4x3=	4+4=	8x5=
8x6=	9x2=	9+9=	5x4=	7x4=	3+3=	5+5=	6x3=

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8+8=	2x2=	6+5=	8+4=	9+6=	4x4=	5x5=	6+2=
3+3=	9x6=	7x3=	9x5=	8+2=	8x8=	4+2=	5x2=
5+2=	7+2=	7x2=	8x6=	7+6=	2+2=	3x2=	7x6=
9x9=	9x8=	8+3=	9+9=	5x4=	7x4=	6x3=	5+5=
7x7=	5+3=	7+7=	8+7=	6x4=	8+5=	3+2=	6+4=
7+3=	8+6=	7+4=	6x5=	9+7=	6x6=	4+3=	8x7=
8x3=	4+4=	8x5=	4x3=	7x5=	5x3=	5+4=	8x4=
9+5=	7+5=	8x2=	6x2=	6+3=	9x2=	9+3=	3x3=
9x3=	9x7=	9+2=	6+6=	9x4=	9+4=	4x2=	9+8=



WEEK 4 SESSION 2 - Answer as many questions as you can in 5 mins

MENTAL STRATEGIES -
do these in your head

Q	Question	Answer
1	$2 + \square = 5$	
2	$54 + 46$	
3	Halve 6	
4	$184 - 10$	
5	$91 + \square = 150$	
6	$83 = 60 + \square$	
7	$931 - 926$	
8	$9 \times 5 = 45$, so $45 \div 5 = \square$	
9	Write 8:13 am in 24 hour clock format	
10	From 2:46 am, how many minutes until 3:22 am?	
Total out of 10		

TIMESTABLES -
do these in your head

Q	Question	Answer
1	$10 \times 10 = \square$	
2	$8 \div 8 = \square$	
3	$5 \times \square = 40$	
4	$20 \div \square = 5$	
5	$9 \times 8 = \square$	
6	$80 \div 8 = \square$	
7	$\square \times 6 = 18$	
8	$\square \div 7 = 10$	
9	$2 \times 8 = \square$	
10	$12 \div 6 = \square$	
Total out of 10		

KEY SKILLS - you may use written calculations
for these questions

Q	Question	Answer
1	What is $\frac{1}{3}$ of 12?	
2	6×225	
3	$6543 - 5498$	
4	9.8×4.8	
5	100% as a decimal number	
6	$1.23 + 46.27$	
7	$(-24) \div (-3)$	
8	If $a = 7$ $b = 7$ and $c = 2$, what is the value of $ac / 2b$?	
9	$(-3) - (-7)$	
10	What is the highest common factor of 23 and 20?	
Total out of 10		

MENTAL
STRATEGIES:

TIMESTABLES:

KEY SKILLS:

+

NINJA SCORE:

Name:

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BIG MATHS... BEAT THAT!

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score was...

~~72~~

$3+2=5$	$6 \times 2=12$	$7+5=12$	$8 \times 2=16$	$8+3=11$	$5+4=9$	$9+4=13$	$4 \times 2=8$
$7+4=11$	$6+6=12$	$9 \times 7=63$	$9+2=11$	$7 \times 2=14$	$5+5=10$	$6 \times 3=18$	$6+4=10$
$7 \times 6=42$	$4 \times 3=12$	$4+4=8$	$8 \times 5=40$	$8+2=10$	$8+4=12$	$9+6=15$	$4 \times 4=16$
$9 \times 9=81$	$4+3=7$	$9+3=12$	$3 \times 3=9$	$5 \times 2=10$	$6+2=8$	$5 \times 5=25$	$8 \times 6=48$
$5+2=7$	$5+3=8$	$2+2=4$	$8+5=13$	$9 \times 5=45$	$9+5=14$	$8+7=15$	$6 \times 5=30$
$6+5=11$	$7 \times 7=49$	$9 \times 6=54$	$6 \times 6=36$	$4+2=6$	$7 \times 5=35$	$9+7=16$	$9 \times 3=27$
$7 \times 3=21$	$7+6=13$	$7+2=9$	$3 \times 2=6$	$9+8=17$	$6+3=9$	$9 \times 4=36$	$5 \times 3=15$
$8 \times 4=32$	$8 \times 3=24$	$9 \times 8=72$	$8 \times 7=56$	$8 \times 8=64$	$7+7=14$	$9 \times 2=18$	$6 \times 4=24$
$3+3=6$	$7+3=10$	$8+6=14$	$8+8=16$	$2 \times 2=4$	$9+9=18$	$5 \times 4=20$	$7 \times 4=28$

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$5+2=7$	$8 \times 7=56$	$7+3=10$	$8+6=14$	$9 \times 2=18$	$9+3=12$	$3 \times 3=9$	$7 \times 7=49$
$9 \times 9=81$	$9+9=18$	$5 \times 4=20$	$7 \times 4=28$	$9+5=14$	$5+3=8$	$6 \times 5=30$	$8+7=15$
$6+4=10$	$7+7=14$	$4+3=7$	$6 \times 4=24$	$4+4=8$	$8 \times 5=40$	$4 \times 3=12$	$8 \times 3=24$
$9+4=13$	$4 \times 2=8$	$5 \times 5=25$	$6+2=8$	$7+5=12$	$8 \times 2=16$	$6 \times 2=12$	$7 \times 6=42$
$6+5=11$	$7+6=13$	$7+4=11$	$3 \times 2=6$	$9 \times 7=63$	$9+2=11$	$6+6=12$	$8+5=13$
$7 \times 3=21$	$8+8=16$	$2 \times 2=4$	$9 \times 6=54$	$3+2=5$	$6 \times 3=18$	$5+5=10$	$6 \times 6=36$
$9+7=16$	$9 \times 3=27$	$6+3=9$	$7+2=9$	$8+4=12$	$9+6=15$	$4 \times 4=16$	$3+3=6$
$5+4=9$	$5 \times 3=15$	$9 \times 4=36$	$9 \times 8=72$	$8 \times 6=48$	$2+2=4$	$7 \times 2=14$	$8 \times 4=32$
$9+8=17$	$9 \times 5=45$	$8+2=10$	$8 \times 8=64$	$4+2=6$	$5 \times 2=10$	$8+3=11$	$7 \times 5=35$

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$9+7=16$	$6+3=9$	$9 \times 4=36$	$7+7=14$	$9 \times 9=81$	$6 \times 4=24$	$9 \times 6=54$	$6+5=11$
$8 \times 7=56$	$5 \times 3=15$	$6+4=10$	$9+5=14$	$5+2=7$	$6 \times 5=30$	$7+2=9$	$7 \times 3=21$
$8+5=13$	$7 \times 5=35$	$8+7=15$	$7 \times 6=42$	$8+2=10$	$7 \times 7=49$	$9 \times 8=72$	$5+3=8$
$6 \times 6=36$	$9+4=13$	$4 \times 2=8$	$8+3=11$	$5 \times 2=10$	$4+3=7$	$8+8=16$	$2 \times 2=4$
$9 \times 3=27$	$9+3=12$	$3 \times 3=9$	$7 \times 2=14$	$9 \times 5=45$	$8 \times 3=24$	$6+2=8$	$5 \times 5=25$
$7+6=13$	$2+2=4$	$3 \times 2=6$	$3+2=5$	$4+2=6$	$6 \times 2=12$	$7+5=12$	$8 \times 2=16$
$8+4=12$	$9+6=15$	$4 \times 4=16$	$8 \times 4=32$	$9+8=17$	$6+6=12$	$9 \times 7=63$	$9+2=11$
$7+4=11$	$7+3=10$	$8+6=14$	$5+4=9$	$8 \times 8=64$	$4 \times 3=12$	$4+4=8$	$8 \times 5=40$
$8 \times 6=48$	$9 \times 2=18$	$9+9=18$	$5 \times 4=20$	$7 \times 4=28$	$3+3=6$	$5+5=10$	$6 \times 3=18$

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$8+8=16$	$2 \times 2=4$	$6+5=11$	$8+4=12$	$9+6=15$	$4 \times 4=16$	$5 \times 5=25$	$6+2=8$
$3+3=6$	$9 \times 6=54$	$7 \times 3=21$	$9 \times 5=45$	$8+2=10$	$8 \times 8=64$	$4+2=6$	$5 \times 2=10$
$5+2=7$	$7+2=9$	$7 \times 2=14$	$8 \times 6=48$	$7+6=13$	$2+2=4$	$3 \times 2=6$	$7 \times 6=42$
$9 \times 9=81$	$9 \times 8=72$	$8+3=11$	$9+9=18$	$5 \times 4=20$	$7 \times 4=28$	$6 \times 3=18$	$5+5=10$
$7 \times 7=49$	$5+3=8$	$7+7=14$	$8+7=15$	$6 \times 4=24$	$8+5=13$	$3+2=5$	$6+4=10$
$7+3=10$	$8+6=14$	$7+4=11$	$6 \times 5=30$	$9+7=16$	$6 \times 6=36$	$4+3=7$	$8 \times 7=56$
$8 \times 3=24$	$4+4=8$	$8 \times 5=40$	$4 \times 3=12$	$7 \times 5=35$	$5 \times 3=15$	$5+4=9$	$8 \times 4=32$
$9+5=14$	$7+5=12$	$8 \times 2=16$	$6 \times 2=12$	$6+3=9$	$9 \times 2=18$	$9+3=12$	$3 \times 3=9$
$9 \times 3=27$	$9 \times 7=63$	$9+2=11$	$6+6=12$	$9 \times 4=36$	$9+4=13$	$4 \times 2=8$	$9+8=17$



Mental Strategies Answers

Q	Question	Answer
1	$2 + \square = 5$	3
2	$54 + 46$	100
3	Halve 6	3
4	$184 - 10$	174
5	$91 + \square = 150$	59
6	$83 = 60 + \square$	23
7	$931 - 926$	5
8	$9 \times 5 = 45$, so $45 \div 5 = \square$	9
9	Write 8:13 am in 24 hour clock format	08:13
10	From 2:46 am, how many minutes until 3:22 am?	36



Timestables Answers

Q	Question	Answer
1	$10 \times 10 = \square$	100
2	$8 \div 8 = \square$	1
3	$5 \times \square = 40$	8
4	$20 \div \square = 5$	4
5	$9 \times 8 = \square$	72
6	$80 \div 8 = \square$	10
7	$\square \times 6 = 18$	3
8	$\square \div 7 = 10$	70
9	$2 \times 8 = \square$	16
10	$12 \div 6 = \square$	2



Key Skills Answers

Q	Question	Answer
1	What is $\frac{1}{3}$ of 12?	4
2	6×225	1350
3	$6543 - 5498$	1045
4	9.8×4.8	47.04
5	100% as a decimal number	1
6	$1.23 + 46.27$	47.5
7	$(-24) \div (-3)$	8
8	If $a = 7$, $b = 7$ and $c = 2$, what is the value of $ac / 2b$?	1
9	$(-3) - (-7)$	4
10	What is the highest common factor of 23 and 20?	1