

# Mental Maths Competition<sup>®</sup>

Organized by  
**Global Maths Science Education<sup>®</sup>**

In Association with  
**Math Vision Pte Ltd., Singapore.**

## **MOCK TEST**

Name : \_\_\_\_\_

Std. : 2 School : \_\_\_\_\_

Mother Mob.no. : \_\_\_\_\_ Father Mob.no. : \_\_\_\_\_

Test	1	2	3	4	5	6	7	8	9	10	11	12	Total
Scored													
Out of	50	50	20	20	20	20	20	20	20	20	20	20	<b>300</b>

### Instructions for the Competition

1. Time : 1hr.
2. Admission card is must at the time of competition.
3. Students can use Pencil or Pen for writing answers.
4. Result of the Competition will be declared on 26<sup>th</sup> November, 2014 on website ***www.mathsshow.com***
5. The checked answer sheet won't be given back.
6. The application of rechecking of marks should be made within 10 days of declaration of results alongwith rechecking fees ` 100 in cheque only.
7. Participant scoring more than 35% will be given certificate of participation.
8. **Winners [ Rank 1 to Rank 3] from each std will be felicitated with Trophies in a specially arranged Award Function.**
9. **Medals for consolation prize winners [Rank 4th to Rank 10th] will be sent by courier at their residence along with the certificate.**

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### **Topics Included.**

1. Horizontal Addition / Subtraction (With carryforward/ borrowing)
2. Vertical Addition / Subtraction (Without carryforward/ borrowing)
3. Addition / Subtraction (With 9, 10, 11, 12)
4. Multiplication (Tables : 2 to 10)
5. Find more than & less than.
6. Complete the number pattern.
7. Prepare 3 digit number from given group of digits.
8. Time (Draw missing minute hand)
9. Mix sums. (Addition/ Subtraction/ Multiplication/ Division)

*Note: Students are requested to write all required answers in clear handwriting.*

*If parent have any query about the question paper format, kindly email us at **mmcgmse@gmail.com**. **No telephonic conversation will be entertained** . Your query will be answered within 24 hours time by our experts.*

**Addition (Horizontal)**

$$2 + 3 = \underline{5}$$

$$4 + 5 = \underline{\quad}$$

$$6 + 7 = \underline{\quad}$$

$$8 + 9 = \underline{\quad}$$

$$3 + 2 = \underline{\quad}$$

$$5 + 4 = \underline{\quad}$$

$$7 + 6 = \underline{\quad}$$

$$9 + 8 = \underline{\quad}$$

$$2 + 5 = \underline{\quad}$$

$$4 + 7 = \underline{\quad}$$

$$6 + 9 = \underline{\quad}$$

$$8 + 3 = \underline{\quad}$$

$$2 + 4 = \underline{\quad}$$

$$4 + 6 = \underline{\quad}$$

$$6 + 8 = \underline{\quad}$$

$$4 + 2 = \underline{\quad}$$

$$3 + 5 = \underline{\quad}$$

$$5 + 7 = \underline{\quad}$$

$$7 + 9 = \underline{\quad}$$

$$9 + 3 = \underline{\quad}$$

$$5 + 1 = \underline{\quad}$$

$$1 + 6 = \underline{\quad}$$

$$2 + 7 = \underline{\quad}$$

$$3 + 2 = \underline{\quad}$$

$$5 + 5 = \underline{\quad}$$

$$6 + 3 = \underline{\quad}$$

$$5 + 5 = \underline{\quad}$$

$$7 + 3 = \underline{\quad}$$

$$1 + 9 = \underline{\quad}$$

$$9 + 8 = \underline{\quad}$$

$$6 + 3 = \underline{\quad}$$

$$4 + 2 = \underline{\quad}$$

$$8 + 7 = \underline{\quad}$$

$$7 + 6 = \underline{\quad}$$

$$2 + 1 = \underline{\quad}$$

$$1 + 5 = \underline{\quad}$$

$$3 + 9 = \underline{\quad}$$

$$2 + 8 = \underline{\quad}$$

$$2 + 2 = \underline{\quad}$$

$$7 + 4 = \underline{\quad}$$

$$3 + 3 = \underline{\quad}$$

$$6 + 2 = \underline{\quad}$$

$$6 + 6 = \underline{\quad}$$

$$8 + 8 = \underline{\quad}$$

$$7 + 7 = \underline{\quad}$$

$$3 + 6 = \underline{\quad}$$

$$4 + 4 = \underline{\quad}$$

$$2 + 2 = \underline{\quad}$$

$$8 + 6 = \underline{\quad}$$

$$5 + 5 = \underline{\quad}$$

**Subtraction (Horizontal)**

$$12 - 4 = \underline{8}$$

$$16 - 3 = \underline{\quad}$$

$$15 - 1 = \underline{\quad}$$

$$18 - 6 = \underline{\quad}$$

$$20 - 9 = \underline{\quad}$$

$$17 - 6 = \underline{\quad}$$

$$18 - 4 = \underline{\quad}$$

$$13 - 5 = \underline{\quad}$$

$$16 - 4 = \underline{\quad}$$

$$12 - 8 = \underline{\quad}$$

$$17 - 9 = \underline{\quad}$$

$$20 - 4 = \underline{\quad}$$

$$15 - 15 = \underline{\quad}$$

$$13 - 10 = \underline{\quad}$$

$$19 - 9 = \underline{\quad}$$

$$18 - 10 = \underline{\quad}$$

$$12 - 7 = \underline{\quad}$$

$$7 - 5 = \underline{\quad}$$

$$16 - 10 = \underline{\quad}$$

$$18 - 18 = \underline{\quad}$$

$$20 - 10 = \underline{\quad}$$

$$10 - 6 = \underline{\quad}$$

$$6 - 4 = \underline{\quad}$$

$$4 - 2 = \underline{\quad}$$

$$14 - 7 = \underline{\quad}$$

$$18 - 2 = \underline{\quad}$$

$$14 - 4 = \underline{\quad}$$

$$16 - 6 = \underline{\quad}$$

$$11 - 8 = \underline{\quad}$$

$$20 - 17 = \underline{\quad}$$

$$20 - 4 = \underline{\quad}$$

$$16 - 8 = \underline{\quad}$$

$$18 - 8 = \underline{\quad}$$

$$7 - 4 = \underline{\quad}$$

$$15 - 14 = \underline{\quad}$$

$$18 - 2 = \underline{\quad}$$

$$7 - 1 = \underline{\quad}$$

$$6 - 4 = \underline{\quad}$$

$$2 - 1 = \underline{\quad}$$

$$20 - 1 = \underline{\quad}$$

$$19 - 3 = \underline{\quad}$$

$$12 - 6 = \underline{\quad}$$

$$3 - 3 = \underline{\quad}$$

$$2 - 2 = \underline{\quad}$$

$$14 - 2 = \underline{\quad}$$

$$16 - 16 = \underline{\quad}$$

$$20 - 10 = \underline{\quad}$$

$$10 - 5 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

$$3 - 1 = \underline{\quad}$$

**Addition**

$$\begin{array}{r} 55 \\ + 44 \\ \hline 99 \end{array}$$

$$\begin{array}{r} 23 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 66 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 22 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 13 \\ \hline \end{array}$$

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

$$\begin{array}{r} 60 \\ + 20 \\ \hline \end{array}$$

**Subtraction**

$$\begin{array}{r} 88 \\ - 26 \\ \hline 62 \end{array}$$

$$\begin{array}{r} 59 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ - 41 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ - 33 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 33 \\ \hline \end{array}$$

**Addition with 9, 10, 11, 12.**

$12 + 9 = \underline{21}$

$76 + 11 = \underline{\hspace{2cm}}$

$18 + 10 = \underline{\hspace{2cm}}$

$20 + 12 = \underline{\hspace{2cm}}$

$16 + 11 = \underline{\hspace{2cm}}$

$24 + 9 = \underline{\hspace{2cm}}$

$21 + 12 = \underline{\hspace{2cm}}$

$35 + 10 = \underline{\hspace{2cm}}$

$29 + 9 = \underline{\hspace{2cm}}$

$46 + 11 = \underline{\hspace{2cm}}$

$27 + 10 = \underline{\hspace{2cm}}$

$36 + 12 = \underline{\hspace{2cm}}$

$17 + 11 = \underline{\hspace{2cm}}$

$44 + 9 = \underline{\hspace{2cm}}$

$6 + 12 = \underline{\hspace{2cm}}$

$32 + 10 = \underline{\hspace{2cm}}$

$14 + 9 = \underline{\hspace{2cm}}$

$47 + 11 = \underline{\hspace{2cm}}$

$22 + 10 = \underline{\hspace{2cm}}$

$67 + 12 = \underline{\hspace{2cm}}$

**Subtraction with 9, 10, 11, 12.**

$$19 - 9 = \underline{10}$$

$$20 - 10 = \underline{\quad}$$

$$35 - 11 = \underline{\quad}$$

$$22 - 12 = \underline{\quad}$$

$$78 - 9 = \underline{\quad}$$

$$69 - 10 = \underline{\quad}$$

$$18 - 11 = \underline{\quad}$$

$$75 - 12 = \underline{\quad}$$

$$39 - 9 = \underline{\quad}$$

$$40 - 10 = \underline{\quad}$$

$$49 - 11 = \underline{\quad}$$

$$82 - 12 = \underline{\quad}$$

$$89 - 9 = \underline{\quad}$$

$$77 - 10 = \underline{\quad}$$

$$66 - 11 = \underline{\quad}$$

$$50 - 12 = \underline{\quad}$$

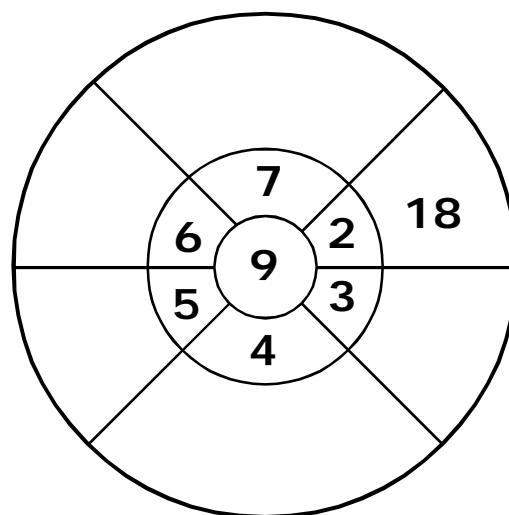
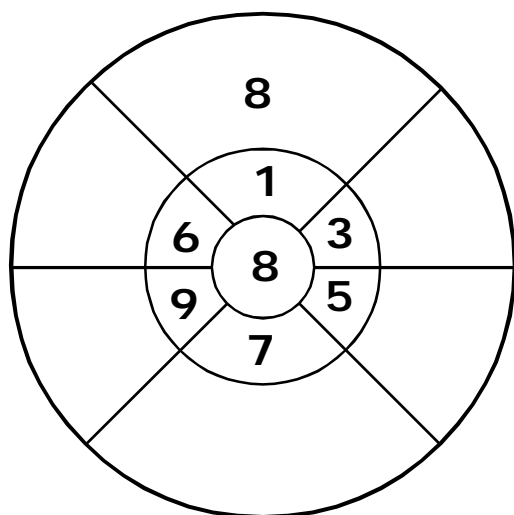
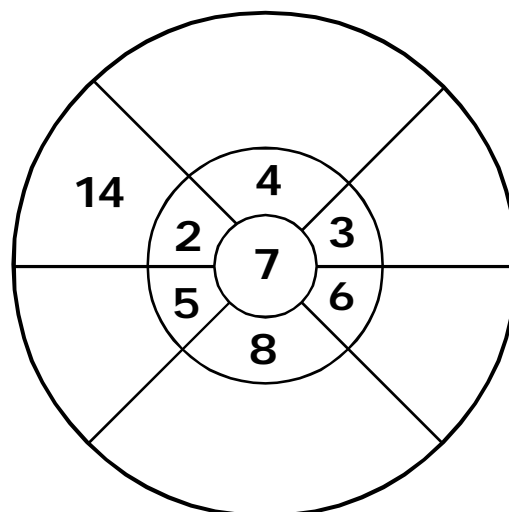
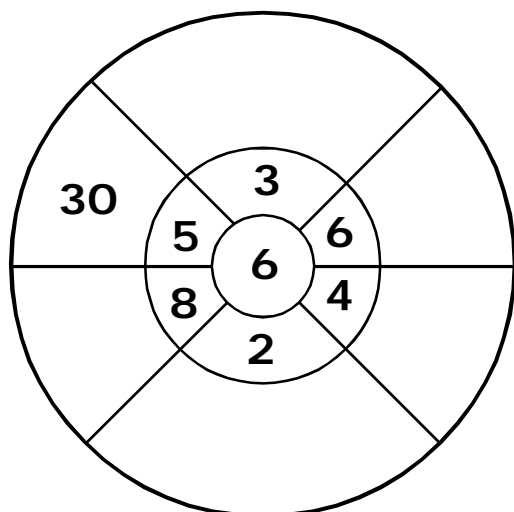
$$79 - 9 = \underline{\quad}$$

$$58 - 10 = \underline{\quad}$$

$$68 - 11 = \underline{\quad}$$

$$21 - 12 = \underline{\quad}$$

Complete the wheel with multiplication.



**Find missing numbers.**

$$13 + \underline{4} = 17$$

$$\underline{\quad} + 27 = 30$$

$$48 + \underline{\quad} = 52$$

$$\underline{\quad} + 22 = 28$$

$$37 + \underline{\quad} = 40$$

$$\underline{\quad} + 44 = 49$$

$$32 + \underline{\quad} = 34$$

$$\underline{\quad} + 20 = 25$$

$$68 + \underline{\quad} = 70$$

$$\underline{\quad} + 15 = 19$$

$$27 - \underline{\quad} = 21$$

$$\underline{\quad} - 4 = 4$$

$$38 - \underline{\quad} = 35$$

$$\underline{\quad} - 3 = 9$$

$$18 - \underline{\quad} = 13$$

$$\underline{\quad} - 5 = 19$$

$$54 - \underline{\quad} = 52$$

$$\underline{\quad} - 4 = 8$$

$$16 - \underline{\quad} = 10$$

$$\underline{\quad} - 5 = 17$$

**Find the number more than/ less than**3 **more** than 420 4232 **less** than 120 \_\_\_\_\_4 **more** than 140 \_\_\_\_\_5 **less** than 530 \_\_\_\_\_3 **more** than 160 \_\_\_\_\_2 **less** than 380 \_\_\_\_\_3 **more** than 680 \_\_\_\_\_4 **less** than 640 \_\_\_\_\_5 **more** than 840 \_\_\_\_\_4 **less** than 126 \_\_\_\_\_3 **more** than 325 \_\_\_\_\_4 **less** than 600 \_\_\_\_\_5 **more** than 226 \_\_\_\_\_2 **less** than 372 \_\_\_\_\_4 **more** than 145 \_\_\_\_\_3 **less** than 236 \_\_\_\_\_2 **more** than 362 \_\_\_\_\_2 **less** than 262 \_\_\_\_\_3 **more** than 410 \_\_\_\_\_5 **less** than 610 \_\_\_\_\_

**Complete the number pattern. (10 marks)**

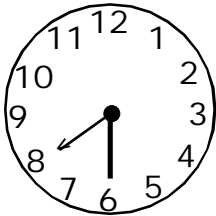
- (1) 620, 630, 640 650
- (2) 150, 160, 170 \_\_\_\_\_
- (3) 250, 300, 350 \_\_\_\_\_
- (4) 320, 325, 330 \_\_\_\_\_
- (5) 717, 727, 737 \_\_\_\_\_
- (6) 513, 613, 713 \_\_\_\_\_
- (7) 820, 840, 860 \_\_\_\_\_
- (8) 135, 145, 155 \_\_\_\_\_
- (9) 110, 111, 112 \_\_\_\_\_
- (10) 100, 200, 300 \_\_\_\_\_

**Write the place value of circled digit. (10 marks)**

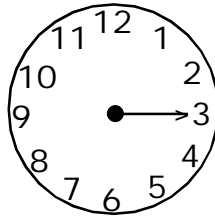
4 (3) 3	<u>30</u>
(6) 2 5	<u>600</u>
7 3 (4)	<u>4</u>
(2) 4 3	_____
2 (5) 6	_____

3 (1) 5	_____
(8) 2 0	_____
3 (9) 6	_____
6 (6) 6	_____
7 8 (6)	_____

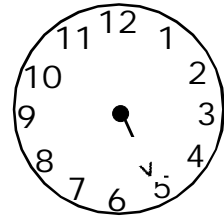
Note: You can also write these answers as 3 tens, 6 hundreds & 4 ones respectively.

**Draw the missing minute hand. (6 marks)**

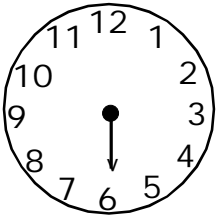
half past 8



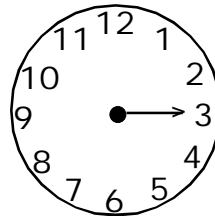
3 : 15



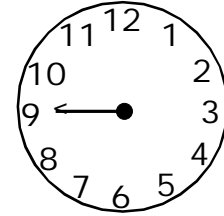
5 : 30



6 : 00



half past 3



quarter past 9

**Prepare 3 digit numbers by using digit only once. (14marks)**

	Smallest	Largest
(1) 2, 0, 6, 9	<u>206</u>	<u>962</u>
(2) 3, 7, 5, 6	<u>          </u>	<u>          </u>
(3) 3, 8, 2, 4	<u>          </u>	<u>          </u>
(4) 5, 7, 3, 8	<u>          </u>	<u>          </u>
(5) 7, 9, 6, 3	<u>          </u>	<u>          </u>
(6) 3, 4, 5, 2	<u>          </u>	<u>          </u>
(7) 2, 1, 5, 6	<u>          </u>	<u>          </u>

**Mixed Sums. (Please solve these sum from left to right direction)**

$$14 + 3 - 4 = \underline{13}$$

$$2 \times 1 - 1 = \underline{\quad}$$

$$17 - 4 + 7 = \underline{\quad}$$

$$2 \times 2 \times 2 = \underline{\quad}$$

$$3 \times 3 + 9 = \underline{\quad}$$

$$7 + 8 - 5 = \underline{\quad}$$

$$4 \times 2 - 6 = \underline{\quad}$$

$$2 \times 8 - 10 = \underline{\quad}$$

$$2 + 4 + 5 = \underline{\quad}$$

$$4 \times 4 + 4 = \underline{\quad}$$

$$7 + 2 - 4 = \underline{\quad}$$

$$8 - 3 + 2 = \underline{\quad}$$

$$8 + 5 - 4 = \underline{\quad}$$

$$6 + 4 - 3 = \underline{\quad}$$

$$2 \times 6 + 3 = \underline{\quad}$$

$$3 \times 5 - 8 = \underline{\quad}$$

$$3 \times 4 - 6 = \underline{\quad}$$

$$7 - 1 + 4 = \underline{\quad}$$

$$4 \times 3 - 8 = \underline{\quad}$$

$$2 - 1 + 3 = \underline{\quad}$$