

**14TH NATIONAL & 20TH INTERNATIONAL  
UCMAS ABACUS & MENTAL ARITHMETIC  
COMPETITION 2015 - MOCK PAPER**

|             |  |
|-------------|--|
| TOTAL MARKS |  |
|-------------|--|

|       |             |
|-------|-------------|
| MARKS | <b>X10=</b> |
|-------|-------------|

Category: **H** HIGHER 'A'

**M.A.**  
Addition/ Subtraction

Time Limit: 8 Minutes

100 questions, each question carries 10 marks

| No. | 1 | 2  | 3 | 4  | 5 | 6 | 7  | 8 | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|-----|---|----|---|----|---|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1   | 7 | 5  | 7 | 6  | 7 | 7 | 6  | 9 | 9  | 9  | 9  | 7  | 5  | 7  | 7  | 6  | 9  | 5  | 6  | 8  | 5  | 7  | 9  | 8  | 7  |
| 2   | 6 | -5 | 4 | -3 | 3 | 7 | 2  | 7 | 9  | /  | 7  | 9  | 4  | 9  | 3  | 2  | 6  | 8  | 9  | 4  | 4  | /  | 8  | 4  | 6  |
| 3   | 7 | 7  | 6 | /  | 7 | 7 | -4 | / | -9 | /  | 2  | -8 | 5  | -8 | 8  | 6  | -8 | 9  | -8 | 5  | 4  | /  | 3  | -6 | 8  |
| 4   | 6 | 9  | 4 | 7  | / | 5 | 8  | / | -9 | /  | 9  | 6  | 4  | 8  | 9  | 5  | 3  | /  | 6  | 9  | 3  | -/ | 8  | 7  | 7  |
| 5   | 4 | -2 | 9 | -3 | 4 | 5 | -5 | 4 | 6  | 4  | 9  | -9 | 2  | -2 | /  | /  | 7  | 8  | -5 | /  | 2  | 8  | 9  | 8  | 4  |
| 6   | 2 | 9  | 7 | 9  | / | 2 | 3  | 2 | 5  | 4  | 5  | 6  | 9  | 8  | 4  | 9  | -3 | /  | 7  | 3  | 9  | /  | 8  | -/ | 8  |
| 7   | 3 | -4 | 3 | 7  | 7 | 8 | -3 | 6 | -5 | 5  | 2  | /  | 3  | 4  | 6  | 7  | 9  | 7  | 2  | 4  | 6  | 8  | 8  | 8  | 3  |
| 8   | 5 | /  | 9 | -2 | 3 | 7 | 8  | 4 | 6  | 7  | 9  | -4 | 7  | -9 | 9  | 7  | -8 | 8  | -2 | 4  | 4  | -6 | 5  | -7 | 3  |
| 9   | 3 | 3  | 2 | 3  | 2 | / | 8  | 4 | 8  | 9  | 7  | 3  | 9  | 3  | 4  | 5  | 5  | 5  | 6  | 3  | 7  | 7  | 6  | -8 | 7  |
| 10  | 9 | -8 | / | -4 | 9 | 3 | -4 | 5 | -9 | 6  | 2  | -/ | 5  | -8 | 6  | 4  | -7 | 9  | -/ | 5  | 9  | -/ | 2  | 5  | 8  |
| Ans |   |    |   |    |   |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

| No. | 26 | 27  | 28 | 29  | 30 | 31 | 32  | 33 | 34  | 35 | 36 | 37  | 38 | 39  | 40 | 41 | 42  | 43 | 44  | 45 | 46 | 47  | 48 | 49  | 50 |
|-----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|
| 1   | 83 | 69  | 89 | 72  | 63 | 54 | 78  | 78 | 78  | 90 | 58 | 99  | 52 | 95  | 99 | 90 | 94  | 43 | 39  | 51 | 65 | 86  | 47 | 92  | 36 |
| 2   | 43 | 50  | 34 | -49 | 64 | 46 | 52  | 64 | -22 | 66 | 60 | 89  | 49 | -28 | 75 | 79 | -35 | 49 | 59  | 98 | 72 | -34 | 45 | -39 | 90 |
| 3   | 90 | -60 | 62 | 65  | 46 | 78 | -65 | 83 | 39  | 83 | 63 | -94 | 92 | 59  | 72 | 79 | 57  | 90 | -49 | 55 | 35 | 82  | 89 | 55  | 39 |
| 4   | 56 | 68  | 81 | -65 | 84 | 36 | 46  | 60 | -39 | 62 | 61 | 95  | 55 | -59 | 99 | 65 | -57 | 67 | 86  | 63 | 93 | -82 | 89 | -55 | 70 |
| 5   | 65 | -45 | 91 | 57  | 38 | 83 | -87 | 62 | 91  | 99 | 89 | -57 | 79 | 98  | 78 | 95 | 87  | 49 | 82  | 96 | 96 | 63  | 91 | 58  | 82 |
| 6   | 66 | 78  | 87 | 53  | 96 | 59 | 74  | 75 | 73  | 66 | 51 | 42  | 89 | 51  | 48 | 42 | 66  | 38 | -21 | 65 | 49 | 72  | 58 | 80  | 76 |
| Ans |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |

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|       |             |
|-------|-------------|
| MARKS | <b>X10=</b> |
|-------|-------------|

Category: **H** **HIGHER 'A'** **M.A.**  
**Addition/ Subtraction**

| No. | 51 | 52  | 53 | 54  | 55 | 56 | 57  | 58 | 59  | 60 | 61 | 62  | 63 | 64  | 65 | 66 | 67  | 68 | 69  | 70 | 71 | 72  | 73 | 74  | 75 |
|-----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|
| 1   |    |     |    |     |    |    |     |    |     |    |    |     | 59 | 90  | 52 | 20 | 88  | 17 | 64  | 16 | 95 | 83  | 55 | 91  | 18 |
| 2   | 44 | 20  | 69 | 66  | 75 | 87 | 58  | 82 | 64  | 58 | 64 | 68  | 44 | -16 | 72 | 86 | -20 | 24 | 85  | 79 | 32 | -35 | 15 | -28 | 63 |
| 3   | 91 | 46  | 13 | -20 | 68 | 55 | 41  | 45 | -40 | 82 | 32 | 31  | 84 | 37  | 33 | 67 | 34  | 73 | -75 | 74 | 89 | 65  | 97 | 53  | 93 |
| 4   | 67 | -33 | 30 | 54  | 29 | 53 | -50 | 45 | 42  | 24 | 88 | -50 | 70 | -37 | 45 | 16 | -34 | 13 | 79  | 64 | 63 | -65 | 19 | -53 | 70 |
| 5   | 78 | 79  | 70 | -54 | 15 | 78 | 33  | 74 | -42 | 29 | 53 | 29  | 42 | 69  | 79 | 70 | 17  | 88 | 70  | 31 | 60 | 37  | 70 | 54  | 22 |
| 6   | 40 | -46 | 13 | 63  | 85 | 65 | -33 | 50 | 44  | 31 | 38 | -29 | 14 | 35  | 73 | 46 | 52  | 67 | 49  | 71 | 90 | 29  | 45 | 11  | 20 |
| 7   | 91 | 24  | 21 | 52  | 17 | 10 | 50  | 69 | 98  | 92 | 67 | 70  | 15 | 14  | 43 | 56 | -58 | 36 | 35  | 51 | 12 | 61  | 75 | -73 | 84 |
| 8   | 26 | 28  | 56 | 56  | 60 | 29 | 12  | 42 | 52  | 20 | 36 | 50  | 51 | -85 | 94 | 60 | 20  | 13 | -41 | 85 | 33 | -41 | 93 | 22  | 60 |
| Ans |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |

| No. | 76 | 77  | 78 | 79  | 80 | 81 | 82  | 83 | 84  | 85 | 86 | 87  | 88 | 89  | 90 | 91 | 92  | 93 | 94  | 95 | 96 | 97  | 98 | 99  | 100 |
|-----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|----|----|-----|----|-----|-----|
| 1   |    |     |    |     |    |    |     |    |     |    |    |     | 76 | 90  | 41 | 40 | 34  | 80 | 84  | 54 | 66 | 40  | 48 | 93  | 69  |
| 2   | 38 | 69  | 67 | 55  | 36 | 82 | 67  | 82 | 78  | 45 | 84 | 67  | 45 | 72  | 75 | 36 | 97  | 45 | 85  | 97 | 94 | 67  | 72 | 81  | 69  |
| 3   | 49 | 56  | 85 | -48 | 86 | 78 | -25 | 86 | -42 | 92 | 69 | -12 | 82 | -81 | 94 | 66 | -66 | 91 | -85 | 41 | 37 | -54 | 57 | -87 | 40  |
| 4   | 48 | 46  | 87 | 49  | 99 | 95 | 99  | 62 | 40  | 80 | 69 | 52  | 60 | 50  | 96 | 96 | 98  | 62 | 50  | 68 | 61 | 88  | 57 | 91  | 37  |
| 5   | 42 | -56 | 37 | 75  | 56 | 79 | 90  | 85 | 35  | 95 | 70 | 98  | 99 | 80  | 80 | 48 | -80 | 78 | -45 | 68 | 86 | 60  | 99 | -88 | 77  |
| 6   | 77 | 83  | 73 | -41 | 53 | 91 | -53 | 72 | -75 | 78 | 79 | -76 | 59 | -30 | 77 | 50 | 90  | 97 | 47  | 88 | 75 | -19 | 70 | 55  | 37  |
| 7   | 41 | 77  | 79 | 52  | 34 | 34 | -32 | 58 | 57  | 76 | 56 | 43  | 74 | 85  | 49 | 76 | 91  | 82 | 34  | 66 | 53 | 52  | 99 | 91  | 73  |
| 8   | 99 | -11 | 39 | 49  | 44 | 68 | 51  | 37 | -42 | 60 | 45 | 64  | 38 | -81 | 45 | 74 | -74 | 41 | -83 | 52 | 72 | -17 | 40 | -57 | 91  |
| 9   | 93 | 95  | 96 | -14 | 94 | 69 | 45  | 52 | 65  | 53 | 71 | -51 | 53 | 51  | 83 | 66 | 70  | 81 | 53  | 37 | 96 | 72  | 72 | 88  | 59  |
| 10  | 92 | -77 | 43 | 61  | 42 | 53 | 50  | 61 | 95  | 35 | 38 | 73  | 79 | 84  | 78 | 71 | 75  | 63 | 93  | 67 | 77 | 78  | 40 | 56  | 67  |
| Ans |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |    |     |    |     |    |    |     |    |     |     |

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|              |            |
|--------------|------------|
| <b>MARKS</b> | <b>X5=</b> |
|--------------|------------|

Category: **H** **HIGHER 'A'**

**M.A.**  
Multiplication/ Division

100 questions, each question carries 5 marks

|    |                  |
|----|------------------|
| 1  | $325 \times 8 =$ |
| 2  | $269 \times 6 =$ |
| 3  | $432 \times 7 =$ |
| 4  | $852 \times 2 =$ |
| 5  | $807 \times 3 =$ |
| 6  | $506 \times 6 =$ |
| 7  | $729 \times 4 =$ |
| 8  | $968 \times 4 =$ |
| 9  | $328 \times 6 =$ |
| 10 | $569 \times 2 =$ |
| 11 | $585 \times 7 =$ |
| 12 | $388 \times 8 =$ |
| 13 | $903 \times 9 =$ |
| 14 | $845 \times 4 =$ |
| 15 | $772 \times 9 =$ |
| 16 | $185 \times 9 =$ |
| 17 | $424 \times 7 =$ |
| 18 | $922 \times 2 =$ |
| 19 | $777 \times 4 =$ |
| 20 | $705 \times 7 =$ |
| 21 | $957 \times 6 =$ |
| 22 | $618 \times 2 =$ |
| 23 | $863 \times 8 =$ |
| 24 | $575 \times 6 =$ |
| 25 | $527 \times 8 =$ |

|    |                  |
|----|------------------|
| 26 | $3 \times 933 =$ |
| 27 | $9 \times 824 =$ |
| 28 | $6 \times 359 =$ |
| 29 | $7 \times 379 =$ |
| 30 | $5 \times 956 =$ |
| 31 | $3 \times 368 =$ |
| 32 | $7 \times 977 =$ |
| 33 | $5 \times 166 =$ |
| 34 | $4 \times 533 =$ |
| 35 | $6 \times 557 =$ |
| 36 | $9 \times 689 =$ |
| 37 | $3 \times 452 =$ |
| 38 | $5 \times 972 =$ |
| 39 | $9 \times 597 =$ |
| 40 | $4 \times 362 =$ |
| 41 | $5 \times 373 =$ |
| 42 | $7 \times 176 =$ |
| 43 | $3 \times 753 =$ |
| 44 | $5 \times 706 =$ |
| 45 | $9 \times 385 =$ |
| 46 | $4 \times 154 =$ |
| 47 | $7 \times 936 =$ |
| 48 | $7 \times 244 =$ |
| 49 | $4 \times 456 =$ |
| 50 | $5 \times 192 =$ |

|    |                |
|----|----------------|
| 51 | $565 \div 5 =$ |
| 52 | $513 \div 9 =$ |
| 53 | $564 \div 6 =$ |
| 54 | $226 \div 2 =$ |
| 55 | $609 \div 7 =$ |
| 56 | $135 \div 3 =$ |
| 57 | $315 \div 5 =$ |
| 58 | $432 \div 8 =$ |
| 59 | $536 \div 8 =$ |
| 60 | $384 \div 6 =$ |
| 61 | $508 \div 4 =$ |
| 62 | $588 \div 7 =$ |
| 63 | $390 \div 6 =$ |
| 64 | $340 \div 5 =$ |
| 65 | $427 \div 7 =$ |
| 66 | $352 \div 8 =$ |
| 67 | $304 \div 4 =$ |
| 68 | $448 \div 4 =$ |
| 69 | $728 \div 8 =$ |
| 70 | $488 \div 8 =$ |
| 71 | $570 \div 5 =$ |
| 72 | $882 \div 9 =$ |
| 73 | $666 \div 6 =$ |
| 74 | $469 \div 7 =$ |
| 75 | $363 \div 3 =$ |

|     |                  |
|-----|------------------|
| 76  | $2,448 \div 3 =$ |
| 77  | $1,008 \div 3 =$ |
| 78  | $1,948 \div 4 =$ |
| 79  | $6,888 \div 7 =$ |
| 80  | $3,155 \div 5 =$ |
| 81  | $1,188 \div 4 =$ |
| 82  | $1,062 \div 9 =$ |
| 83  | $6,968 \div 8 =$ |
| 84  | $1,295 \div 5 =$ |
| 85  | $1,602 \div 3 =$ |
| 86  | $1,185 \div 3 =$ |
| 87  | $5,274 \div 6 =$ |
| 88  | $1,463 \div 7 =$ |
| 89  | $6,624 \div 9 =$ |
| 90  | $1,904 \div 7 =$ |
| 91  | $2,751 \div 3 =$ |
| 92  | $6,488 \div 8 =$ |
| 93  | $3,066 \div 7 =$ |
| 94  | $8,514 \div 9 =$ |
| 95  | $1,428 \div 4 =$ |
| 96  | $1,197 \div 7 =$ |
| 97  | $2,495 \div 5 =$ |
| 98  | $3,504 \div 8 =$ |
| 99  | $2,605 \div 5 =$ |
| 100 | $1,704 \div 3 =$ |