

Mental Math (10 minutes) – Grade 4

|     |  |     | Answers | Score |
|-----|--|-----|---------|-------|
| 1.  | Solve: $100 - 47 =$  | 1.  |         |       |
| 2.  | What number plus 9 equals to 48?   | 2.  |         |       |
| 3.  | What is the next number in the pattern: 160, 80, 40, 20, <u>  ?</u>  | 3.  |         |       |
| 4.  | What is the largest three-digit even number?   | 4.  |         |       |
| 5.  | What is 14 less than the sum of 41 and 22?   | 5.  |         |       |
| 6.  | What is the next group in the pattern: (2,3), (4, 6), (6, 9), (8, 12), ( <u>  </u> , <u>  </u> )                                 | 6.  |         |       |
| 7.  | A bag of treats cost \$2.00. How much is the cost of 11 and a half bags of treats?   | 7.  |         |       |
| 8.  | Mr. Fisher paid \$7.20 for a pack of 8 identical markers. How much was each marker?  | 8.  |         |       |
| 9.  | Solve: $171 - 85 - 71 =$   | 9.  |         |       |
| 10. | Alex started his swim training at 8:00 am. He finished at 10:10 am. How many minutes was his training?                           | 10. |         |       |
| 11. | Insert "4" somewhere between the digits of 2015, to make a five-digit number as small as possible. Write that five-digit number. | 11. |         |       |
| 12. | What number multiplied by 9 is equal to 126?   | 12. |         |       |
| 13. | What does 5 represent in the number 2,501?   | 13. |         |       |
| 14. | David has 135 stamps in his collection. He divides them into 5 equal piles. How many stamps are in each pile?                    | 14. |         |       |
| 15. | John paid \$4.80 for 8 doughnuts. How much will he pay for 12 doughnuts?   | 15. |         |       |

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|-----|--|-----|--|--|
| 16. | How many months are in 5 years?  | 16. |  |  |
| 17. | If December 17 <sup>th</sup> falls on Thursday, what day was December 1 <sup>st</sup> ?  | 17. |  |  |
| 18. | Maria reads 20 pages a day. In how many days will she finish to read 160 pages book?   | 18. |  |  |
| 19. | I have 9 coins. 5 of my coins are nickels. What fraction of the coins are not nickels?   | 19. |  |  |
| 20. | What is 12 less than the product of 6 and 9?   | 20. |  |  |
| 21. | If $4 \times A \times 5 = 120$ . What is A?  | 21. |  |  |
| 22. | Oscar gets \$5 an hour for mowing the lawn. He was mowing the lawn from noon to 3:00 pm. How much did he earn?   | 22. |  |  |
| 23. | Cole's 9 <sup>th</sup> birthday was in 2010. In what year will he turn 21?   | 23. |  |  |
| 24. | How many white squares must you paint black so that the number of black squares is exactly half of the number of white squares?                                    | 24. |  |  |
|     |  |     |  |  |
| 25. | A soccer team, the RATS, have 4 girls and 8 boys. Another soccer team, the BATS, have twice as many players as the RATS. How many players does the BATS team have? | 25. |  |  |
| 26. | The lumber made 6 cuts and got identical 3 feet long pieces. How long was the original log?  | 26. |  |  |
| 27. | A mini market makes \$500 a day. How much does it make in 4.5 days?  | 27. |  |  |
| 28. | How many quarter-turns has $180^\circ$ ?   | 28. |  |  |

|                    |   |     |  |  |
|--------------------|---|-----|--|--|
| 29.                | What is the time difference between 4:10 am and 11:27 am the same day? Express your answer in hours and minutes.                          | 29. |  |  |
| 30.                | How many 3-digit numbers can you make using digits: 2, 4, 6. Use each digit once.   | 30. |  |  |
| 31.                | What is the digit in the tens place of $1 \times 2 \times 7 \times 3$ ?   | 31. |  |  |
| 32.                | There are 11 black socks and 10 white socks in a drawer. How many socks could you pick, without looking, to get a matching pair of socks? | 32. |  |  |
| 33.                | It is 6:15 p.m. now. What time was 175 min ago? Include AM or PM to your answer.  | 33. |  |  |
| 34.                | What is the least common multiple of 6 and 14?  | 34. |  |  |
| 35.                | How many pairs of parallel sides a regular octagon has?  | 35. |  |  |
| 36.                | If the area of the square is $49 \text{ cm}^2$ , what is its perimeter?   | 36. |  |  |
| 37.                | There are 1000 people in a stadium. If 78 people are wearing hat, how many are not wearing hat?   | 37. |  |  |
| 38.                | A piece of wire 27 cm long is used to make equilateral triangle. How long is its side?  | 38. |  |  |
| 39.                | How many lines of symmetry does a rectangle 2 by 6 cm have?   | 39. |  |  |
| 40.                | What is $10+10+10+10+10+4$ divided by 9?  | 40. |  |  |
| <b>TOTAL SCORE</b> |   |     |  |  |

## MATH CHALLENGE TOURNAMENT 2015

### GRADE 4 - MENTAL MATH

Sponsored By Ellipsis Academy



**FINAL SCORE:**

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

School: \_\_\_\_\_

#### **Mental Math Challenge (10 minutes)**

- You may not do any written work and only your final answers may be written.
- Any erasure or cross-out will result in the answer being marked wrong.
- Write your answers in this test booklet.
- Units are not necessary. If you choose to label your answer, please make sure you write the correct units. A correct answer with incorrect units will be marked as an incorrect answer.

**Correct answer: 1 point**

**Blank answer: 0 point**

**Incorrect answer: 0 point**