**Fourth Grade Enrichment**

You will need a scrap sheet of paper!

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| 1. Round 2020 to the nearest hundred. | 1. |
| 2. I walk my dog 28 times each week. If I walk him the same number of times every day, how many times do I walk him each day? | 2. |
| 3. What day was it 20 days before last Sunday? | 3. |
| 4. I have two polygons with a total of 9 sides. If one polygon is a rhombus, the other polygon must be a _____. | 4. |
| 5. I bought a basket of cherries and ate 5 cherries every day for 10 days. If I have 20 cherries left, how many were originally in the basket? | 5. |
| 6. $20 + (20 \times 20) =$ _____ | 6. |
| 7. Which is the following is an even number?<br>A. 4+5     B. 3+5+7     C. 4+5+6     D. 3+5+7+9 | 7. |
| 8. There are 2020 gumballs in the gumball machine. If I remove 202 gumballs, how many are left? | 8. |
| 9. $888 - 777 + 666 - 555 = 777 - 666 + 555 - 444 +$ _____ | 9. |
| 10. $20 \times 30 \times 40 =$ _____ | 10. |
| 11. How many minutes is it from 12:30 PM until 2:30 PM today? | 11. |
| 12. Which of the following is not a multiple of 8?<br>A. 120     B. 200     C. 480     D. 1000 | 12. |
| 13. Sheila sells seashells for $5 and makes $10 bonus for every six shells she sells. If she made $100, how many seashells did she sell? | 13. |
| 14. A rectangular TV screen has a perimeter of 200 cm and one side length f 40 cm. What is its area? | 14. |
| 15. Which of the following is the sum of three consecutive whole numbers?<br>A. 37     B. 38     C. 39     D. 40 | 15. |

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| 16. Each of my 8 cookie jars has at least 1 cookie in it. If each jar contains a different number of cookies, the least possible total number of cookies in all 8 cookie jars it? | 16. |
| 17. $5 \times 45 + 55 \times 45 =$ _____ | 17. |
| 18. Which is the following leaves the largest remainder when divided by 5?<br>A. 10-2     B. 100-4     C. 1000-6     D. 10000-8 | 18. |
| 19. I exchanged my dollar bill for nickels and dimes only. If I received more nickels than dimes, I must have received at least _____ nickels in my change.<br>A. 6     B. 8     C. 10     D. 20 | 19. |
| 20. Which of the following cannot be expressed as the sum of two prime numbers?<br>A. 5     B. 7     C. 9     D. 11 | 20. |
| 21. Gabby and Ilana played a game, and Gabby won by 10 points. If Ilana scored the first 15 points and then had doubled her score by the end of the game, how many points did Gabby score? | 21. |
| 22. The sum of Jim and Nancy's ages is 24. What was the sum of their ages three years ago? | 22. |
| 23. In my card game, 1 heart is worth 4 clubs and 2 clubs are worth 1 diamond. In this game, 2 diamonds are worth _____ hearts? | 23. |
| 24. Pedro and his five friends each had one slice of pizza that had been cut into eight slices. If Pedro are the two extra slices, what fraction of the pizza did Pedro eat? | 24. |
| 25. How many even numbers between 1 and 99 are divisible by 3? | 25. |
| 26. There are exactly 12 horizontal and vertical line segments that can connect 2 adjacent dots in the diagram. The greatest number of such line segments that can be drawn without creating a square of any size is _____<br>A. 8     B. 9     C. 10     D. 11 | 26. |
| 27. A cube is considered unique if it cannot be rotated to look like another cube. From a set of identical white cubes, how many unique cubes can you make by painting two sides of each cube blue? | 27. |

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| 28. I can buy cupcakes at 3 for $5 and then sell then at 2 for $5. How many cupcakes must I buy in order to make a total profit of $30 when I sell them? | |
| | 28. |
| 29. My friend thinks that even digits are especially lucky. If she adds together all whole numbers less than 100 that have only digits that are even, she will come up with a sum of _____ | |
| | 29. |
| 30. My digital clock is on a 12-hour cycle, displaying times from 12:00 through 11:59. How many times in 24 hours does the sum of the minutes equal the sum of the hours digits? | |
| | 30. |