Mission Math Utah

Winter Competition
Division Two: Grades 1-2

December 27, 2019

Name: _____

School: _____

Grade: _____

General Information

- Do not open the test until you are instructed to do so by the proctor.

- This test contains **35 free response problems**. You will have exactly **60 minutes** to answer them.

- Electronic devices, including calculators, must be turned off and **can not** be used during the test.

Grading

- Each correct answer is worth 1 point.

- Incorrect or blank answers are worth 0 points. Partial credit will not be given.

Answers

- Answers must be written clearly in the allotted space. Please write legibly.

- All answers must be expressed in the appropriate form as specified in the question.

- Your answer will be marked incorrect if the graders are unable to read it.

1. What is the value of $17 - 14$?

1. _____

2. On Monday, Santa received 69 letters.   On Tuesday he received 73, and on Wednesday he received 58. On which day did he receive the most letters?

2. _____

3. How many groups of ten are there in the number 80?

3. _____ tens

4. There are 14 apples on an apple tree. Richard picks 5 of the apples to make apple pie. How many apples are still on the tree?

4. _____ apples

5. What is the value of $8 + 5$?

5. _____

6. What is the value of $23 + 19$?

6. _____

7. John has 3 pieces of candy, and Joseph has 5 pieces of candy. How many pieces of candy do they have together?

7. _____ candies

8. Janis needs to read a 200-page book in ten days. How many pages does she need to read each day?

8. _____ pages

9. Elli needs 8 eggs to make cookies. If she has 2 eggs, how many more does she need?
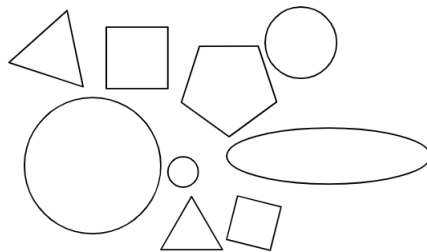
9. _____ eggs

10. Evaluate: $15 - 10 + 3$

10. _____

11. How many circles are in the diagram below?

11. _____ circles

12. What is the next number in the sequence 1, 3, 5, 7, ...?

12. _____

13. Evelyn has a cookie with six sides, and each side of the cookie is 3 inches long. What is the perimeter of Evelyn's cookie?

13. _____ inches

14. Evaluate: $65 - 60 + 12 - 8$

14. _____

15. What is the value of $6000 + 200 + 30 + 7$?

15. _____

16. Leo has three bean plants. The first is 14 cm, the second is 35 cm, and the last is 22 cm. What is the sum of the heights of Leo's plants?

16. _____ cm

17. What is the value of $54 + 23 + 39 + 17$?

17. _____

18. Omar has 7 triangles and 4 squares. How many sides does he have?

18. _____ sides

19. What is the remainder of 45393 when divided by 1000?

19. _____

20. Sally has 34 chocolates, and Sam has 79 chocolates. How many more chocolates does Sam have?

20. _____ chocolates

21. On Monday, I bought 23 strawberries. On Tuesday, I ate 8 of the strawberries. Now, I want to divide the remaining strawberries into bags of 5 strawberries each. How many bags will I need?

21. _____ bags

22. Mala has a piece of cloth that is 12 yards long. How many feet long is Mala's cloth? (Hint: there are 3 feet in a yard)

22. _____ feet

23. What is the value of 28×210?

23. _____

24. Evaluate: $1 + 2 + 3 + \cdots + 10$

24. _____

25. Georgia picks 13 four-leaf clovers in 15 minutes. At the same rate, how many four-leaf clovers can Georgia pick in one hour?

25. _____ clovers

26. What is the value of $2 \times (25 - (15 + 10))$?

26. _____

27. What is the sum of the numbers 2, 3, 4, and 7?

27. _____

28. There are 30 fish in a pond. If Abimbola catches 6 of the fish, then what proportion of the fish in the pond does she catch? Express your answer as a common fraction.

28. _____

29. What is the value of $4 - 3 + 2 - 1$?

29. _____

30. Jacob has 20 nickels. If he gives $\frac{1}{4}$ of his nickels to Rebecca, how many nickels does he have left?

30. _____ nickels

31. What is the value of $\frac{2020 + 2019}{2020 - 2019}$?

31. _____

32. What is the value of $100 \times (1 - 3 + 2)$?

32. _____

33. Beth reads a book with 25 pages. If each page takes her 4 minutes to read, how many minutes does it take her to read the book?

33. _____ minutes

34. Ava has 15 flowers. Jennifer gives her 26 more. How many flowers does Ava have now?

34. _____ flowers

35. What is the value of x if $x + 3 = 2x$?

35. _____