

Mission Math Spring Competition 2025 1-2 Exam

You will have 40 minutes to complete as much of this test as you can. There are 30 free response questions total, and questions are arranged roughly from easiest to most difficult. Units are not needed. Write answers on the given line below each question. Calculators are not allowed. Do not begin the test until told to do so. Good Luck!

Full Name: _____

Grade: _____

Age: _____

1. 3 tigers and 6 lions are in the zoo. How many animals are there altogether?

2. What is $3 + 3 + 4$?

3. 9 boys 6 girls are sitting in a class. how many chairs do we need if each person wants to sit down?

4. What is $7 + 5 \cdot 2$?

5. A bus is carrying 3 and at the first stop, 3 students got on. At the second stop, 2 students got off. How many students are on the bus now?

6. What is $2 + 2 + 2 + 2 + 2 - 4 - 2$?

7. A table in the classroom is 12 feet long. its width is 3 feet less than its length. How wide is the table?

8. What is $\frac{3}{8} - \frac{2}{8}$? Express your answer as a common fraction.

9. Dad gave you 18 stickers. Your sister has 27 stickers. How many more stickers does your sister have than you?

10. A boat can only sit 3 people. How many boats do we need to sit 31 people?

11. How many feet is 72 inches?

12. What is the perimeter of a triangle with equal sides of length 3 inches?

13. Covert the common fraction $\frac{13}{5}$ to a mixed fraction.

14. If 4 quarters are equal to \$1, how many quarters are equal to \$3?

15. There are 564 students at Challenger School. There are 477 students at Waterford School. How many more students are at Challenger School?

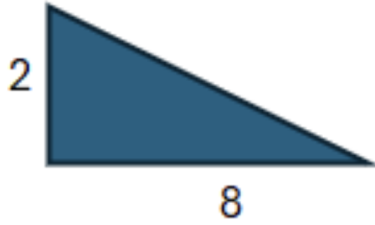
16. If a 6-sided dice is rolled, what is the probability you will get the number 4? Express your answer as a common fraction.

17. If the word "AT" can be arranged in 2 ways, "AT" & "TA". In how many ways can you arrange the word "POP"?

18. What is $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$?

19. Hank is reading a book about pirates. He read 189 pages yesterday and 73 pages today. The book has 374 pages. How many more pages does he have to read to finish the book?

20. What is the area of this triangle?



21. If $x = 4$ and $y = 3$, what is the value of $2x - 2y$?

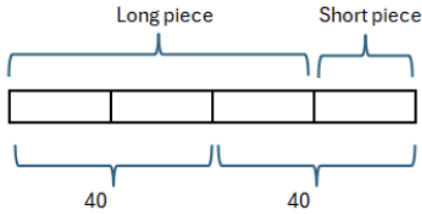
22. What is $\frac{2}{8} + \frac{1}{6}$? Express your answer as a common fraction.

23. Katie likes oranges and apples. 1 apple costs \$1.50 and 1 orange costs \$1.80. If Katie buys 10 oranges, how many apples can she buy if she has \$42 in her purse?

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25. Jacob is in an ice cream store that sells 2 scoops of ice cream per cone. He can choose any 2 flavors. The flavors are vanilla, chocolate and berry. How many choices does he have? Vanilla + berry or berry + vanilla is considered one choice.

26. There are 4 equal pieces. How long is the short piece?



27. What is the area of a circle with a radius of 2 inches? Express your answer in terms of π .

28. What is the remainder of $2034 \div 4$?

29. Ali reads a book about Harry Potter and he reads 2 pages in a minute. How many pages can he read in 48 minutes?

30. Kevin is standing in line. There are 4 students to his left and 5 students to his right. What number is he from the left?
