

## 2026 Mission Math Spring Competition K-2

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. Andre has 2 dogs. His sister has 3 dogs. How many dogs do they have in total?

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2. Torrey has 15 green and red marbles in a bag. If she knows 5 are red, how many are green?

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3. Abby bakes 16 cupcakes for her friends. She has 4 friends. How many cupcakes will each friend get if she gets none and her friends all get the same amount?

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4. Find  $1 - \frac{1}{2}$ . Express your answer as a common fraction.

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5. Find  $2 \cdot 0 \cdot 2 \cdot 6$ .

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6. Shreyan draws a square with area 16, if he divides it into 4 equal squares, what is the area of one of those squares?

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7. Atharv reads 2 books on Monday. He reads 3 books on Tuesday. How many did he read in the two days?

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8. If Ryan runs 7 miles per hour, how many hours does it take for him to run 21 miles?

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9. Lucy buys 3 packs of pencils for 5 dollars each. She has 18 dollars to spend. How many dollars does she have left?

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10. What is the perimeter of an equilateral triangle that has a side length of 3?

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11. How many factors does 8 have?

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12. What is  $3,487+2,956$ ?

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13. There are 3 cats. Each cat catches 2 mice. How many mice are caught in total?

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14. What is  $48 \times 7$ ?

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15. A rectangle has a length of 9 cm and a width of 4 cm. What is its perimeter?

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16. What is the next number in the pattern: 5, 10, 20, 40, ?

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17. Divide 145 by 6. What is the remainder?

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18. Which is larger:  $\frac{3}{4}$  or  $\frac{5}{6}$ ? Express your answer as a common fraction.

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19. Emma has \$20. She buys a toy for \$7.75 and a book for \$6.50. How much money does she have left?

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20. A pack of 8 pencils costs \$4. How much do 24 pencils cost?

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21. Aiden has a number between 50 and 70. It is divisible by 5 and 3. What number is Aiden's number?

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22. A box contains 48 pencils. If  $\frac{3}{4}$  of them are red and the rest are blue, how many blue pencils are there?

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23. A farmer has 250 apples. He sells them in baskets of 12 apples each. How many full baskets can he make?

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24. A swimming pool is filled with 3,600 liters of water. If  $\frac{1}{3}$  of the water is used, how many liters remain?

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25. A rectangle has a length of 18 cm and a width that is  $\frac{2}{3}$  of the length. What is the area of the rectangle?

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26. Adwita has \$100. She buys 4toys at \$20 each. How much money does she have left?

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27. A rectangle has a length of 14 cm and a width of 9 cm. If the length is increased by 3 cm, what is the new area?

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28. A bus travels 48 miles in 1 hour. How far will it travel in 2 hours and 30 minutes at the same speed?

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29. Three friends share 156 candies equally. How many candies does each friend get?

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30. A box contains red, blue, and green marbles. There are twice as many blue marbles as red, and 5 more green marbles than red. If there are 10 red marbles, how many marbles are there in total?

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