

Mission Math Winter 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. 4 boys and 5 girls are sitting in a class. How many students are there altogether?

2. What is $3 + 9$?

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

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

5. A bus is carrying 6 people. At the first stop, 3 people get on. At the second stop, 5 more people get on. How many people are on the bus now?

6. What number is 7 more than 32?

7. Our gym is 42 feet long. The width is 16 feet less than the length. How wide is the gym?

8. What is $\frac{3}{8} + \frac{2}{8}$? Write your answer as a fraction.

9. You gave a sticker to each of 18 people at school. If you have 27 stickers left, how many stickers did you have at the start?

10. Juntian has 24 cows and 18 horses on his farm. How many more cows than horses does he have?

11. 13 people need to cross a river. Each boat can fit 3 people. How many boats do we need to get everyone across?

12. What is the perimeter of a square if each side is 3 inches long?

13. Simplify this fraction: $\frac{12}{15} = ?$

14. If 4 quarts equal 1 gallon, how many quarts are in 3 gallons?

15. There are 564 students at John's school. If 296 are boys, how many girls are at his school?

16. If you flip a coin, what are the chances it will land on heads? Write your answer as a fraction.

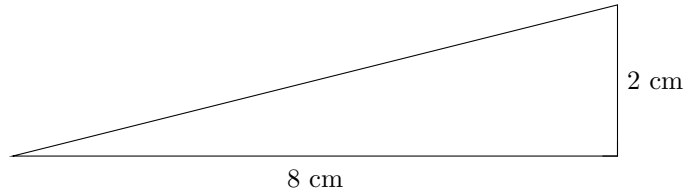
17. The word "AT" can be arranged in 2 ways: AT and TA. In how many ways can you arrange the word "ACE"?

18. What is $2 \times 4 \times 0 \times 2$?

19. Hank is reading a 304-page book about pirates. He has finished reading 189 pages. How many pages does he have left to read?

20. Ali read a book from 9:30 AM to 1:30 PM. How many hours did he read?

21. What is the area of this **right** triangle?



22. There are 60 students in Mike's grade. If they all divide into groups of 5, how many groups will there be?

23. What is $\frac{3}{8} + \frac{1}{6}$? Write your answer as a fraction.

24. Katie found a set with a hairbrush and a comb that she liked. The brush costs \$6 and the comb costs \$2. How many sets can she buy if she has \$56?
