Unless a particular problem directs otherwise, give an exact answer or one rounded to the nearest thousandth.

- 1. What is the volume of a cube with edge 6?
- 2. What is one-eighth of 112?
- 3. A twelve-sided die is tossed and a card is drawn from a standard deck. What is the probability of getting an even number on the die and a face card from the deck? (Write your number as a reduced fraction)
- 4. What is 6 factorial?
- 5. 16 squared: what is one-half of its square root?
- 6. Start with 17, triple it, subtract 2, and take the square root.
- 7. What is the slope between the points (-10, 4) and (6, -13)? Express your answer as a fraction.
- 8. What is the sum of the prime factorization of 525?
- 9. A cube with a volume of eight is combined with 26 others to form a larger cube. What is the surface area of the new, larger cube?
- 10. What is the sum of 78, 456, and 23?
- 11. How many million is 120000 times 400?
- 12. Radii of a circle cut it into 12 equal sectors. The central angle of each sector is how many degrees?
- 13. What is the difference between six-eighths and six-ninths?
- 14. What is seven-sixths of the difference between 36 and 12?
- 15. What is the sum of positive 54, negative 7, negative 101, and positive 32?
- 16. What is the combined volume of three cubes that have edge lengths of 1, 2, and 3?
- 17. What is 1/16 to the $\frac{1}{2}$ power?
- 18. What is the perimeter of a square that has an area 16?
- 19. What is the perimeter of a regular octagon with a side length of 14?
- 20. What is the largest factor common to both seventy-five and ninety-nine?

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- 1. What is the perimeter of a square that has an area 16?
- 2. What is the perimeter of a regular octagon with a side length of 14?
- 3. What is the largest factor common to both seventy-five and ninety-nine?
- 4. What is the square root of 841?
- 5. What is seven-sixths of the difference between 36 and 12?
- 6. What is the sum of positive 54, negative 7, negative 101, and positive 32?
- 7. What is the combined volume of three cubes that have edge lengths of 1, 2, and 3?
- 8. What is the volume of a circular cylinder with height three and radius five?
- 9. What is the volume of a cube with edge 6?
- 10. What is one-eighth of 112?
- 11. A twelve-sided die is tossed and a card is drawn from a standard deck. What is the probability of getting an even number on the die and a face card from the deck? (Write your number as a reduced fraction)
- 12. What is 6 factorial?
- 13. What is the sum of 78, 456, and 23?
- 14. What is the product of 78 and 56?
- 15. What is the probability of rolling a sum of three with a pair of dice?
- 16. What is the radius of a circle with area 225π ?
- 17. What is the quantity 1/3 + 1/7 multiplied by 21?
- 18. What is 1/12 times 96?
- 19. What is the difference in the sum of the number of degrees in a square and the sum of the number of degrees in a triangle?
- 20. What is the difference between four cubed and seven squared?

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- 1. What is 1/12 times 96?
- 2. What is the difference in the sum of the number of degrees in a square and the sum of the number of degrees in a triangle?
- 3. What is the difference between four cubed and seven squared?
- 4. Six hundred is sixty percent of what number?
- 5. What is the product of 78 and 56?
- 6. What is the probability of rolling a sum of three with a pair of dice?
- 7. What is 30% of one fourth of 84?
- 8. What is 1/16 to the $\frac{1}{2}$ power?
- 9. What is the perimeter of a square that has an area 16?
- 10. What is the perimeter of a regular octagon with a side length of 14?
- 11. What is the largest factor common to both seventy-five and ninety-nine?
- 12. What is the square root of 841?
- 13. What is 6 factorial?
- 14. Subtract one-fourth from the product of 17 and 18. Express your answer as a fraction.
- 15. What is the square root of 196?
- 16. What is the sum of the prime factorization of 525?
- 17. A cube with a volume of eight is combined with 26 others to form a larger cube. What is the surface area of the new, larger cube?
- 18. What is the sum of 78, 456, and 23?
- 19. How many million is 120000 times 400?
- 20. Radii of a circle cut it into 12 equal sectors. The central angle of each sector is how many degrees?

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