

Washington State Math Championship – 2009
Mental Math – 5th Grade



1. What is the sum of two-thirds and one-sixth? Express your answer as a fraction.
2. If the three angles in a triangle are thirty degrees, forty degrees, and x degrees, what is the value of x ?
3. What is ten percent of two hundred?
4. The sum of the first six positive integers is twenty-one. What is the sum of the first six positive even integers?
5. If I have five nickels, two dimes, and six pennies, how much money in cents do I have?

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6. What is one-sixth of thirty-six thousand?
7. What number would I get if I started with three and tripled it twice?
8. If the area of a rectangle is forty-eight and one of the side lengths is six, what is the length of the adjacent side?
9. What is two cubed plus three squared?
10. How many days are in fifteen weeks?

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11. Start with twelve. Add three. Divide by five. Finally, double your result. What is the final resulting number?
12. What is one-half of one-fourth of twenty-four?
13. If three zibbits equal twelve mibbles, how many mibbles are two zibbits?
14. If one side of a regular pentagon has a length of twelve centimeters, what is the perimeter of the pentagon, in centimeters?
15. What is thirty squared?

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WASHINGTON STATE
MATH CHAMPIONSHIP



BLAINE SCHOOL DISTRICT

ConocoPhillips
Ferndale Refinery

16. A square has an area of twenty-five square inches. What is the perimeter, in inches?
17. What is one-third of thirty three plus one-eighth of ninety-six?
18. If today is Saturday, what day of the week will it be in one hundred and thirty-three days?
19. What is the sum of thirteen hundredths, two, and fourteen thousandths? Express your answer as a decimal.
20. If two notebooks cost a total of two dollars and eight cents, and three pencils cost a total of sixty-six cents, how much, in dollars, would three notebooks and two pencils cost? Express your answer as a number of cents.