

Whatcom County Math Championship – 2012

Mental Math – 4th Grade

- 1) What is one plus two plus three plus four plus five?
- 2) It was thirty-one degrees outside. When the sun went down, the temperature dropped twelve degrees. What is the temperature now?
- 3) What is the sum of two and a half and three and a half?
- 4) What is sixteen times four?
- 5) How much is five quarters, two dimes and three nickels?

SWITCH TEAM MEMBERS

- 6) A train leaves the station at 10:00 PM and arrives at 7:00 AM the next morning; how long is the train ride?
- 7) What is the length of one side of a square with an area of 36?
- 8) What is forty percent of twenty-five?
- 9) How many inches are there in 4 feet 3 inches?
- 10) Start with eight, then add five, then subtract seven, then divide by two. What number do you get?

SWITCH TEAM MEMBERS

- 11) What is the perimeter of a rectangle that has a length of nine and a width of seven?
- 12) What is ninety-two divided by four?
- 13) What is the result when seven less than thirty-three is divided by two?
- 14) Find six squared and add two squared.
- 15) If you started reading a book at 10:45 and it takes three hours and twenty minutes to read the book, at what time will you be finished?

SWITCH TEAM MEMBERS

- 16) What is the sum of fifteen, seventeen and fourteen?
- 17) Start with eighteen, divide by three and subtract eight; what do you get?
- 18) If you are travelling at a constant speed of sixty miles per hour, how many miles will you travel in two and a half hours?
- 19) How many halves are there in twelve?
- 20) As a reduced fraction, what is one-fourth minus one-fifth.

Whatcom County Math Championship – 2012

Mental Math – 5th Grade

- 1) It was thirty-one degrees outside. When the sun went down, the temperature dropped twelve degrees. What is the temperature now?
- 2) What is the sum of two and a half and three and a half?
- 3) What is sixteen times four?
- 4) How much is five quarters, two dimes and three nickels?
- 5) What is the product of twelve and fourteen?

SWITCH TEAM MEMBERS

- 6) What is the length of one side of a square with an area of 36?
- 7) What is forty percent of twenty-five?
- 8) How many inches are there in 4 feet 3 inches?
- 9) Start with eight, then add five, then subtract seven, then divide by two. What number do you get?
- 10) What is two-thirds of 24, minus one-half of 10?

SWITCH TEAM MEMBERS

- 11) What is ninety-two divided by four?
- 12) What is the result when seven less than thirty three is divided by two?
- 13) Find six squared and add two squared.
- 14) If you started reading a book at 10:45 and it takes three hours and twenty minutes to read the book, at what time will you be finished?
- 15) What is the square root of the square root of 81?

SWITCH TEAM MEMBERS

- 16) Start with eighteen, divide by three and subtract eight; what do you get?
- 17) If you are travelling at a constant speed of sixty miles per hour, how many miles will you travel in two and a half hours?
- 18) How many halves are there in twelve?
- 19) As a reduced fraction, what is one-fourth minus one-fifth.
- 20) What is the surface area of a cube with sides of 3?

Whatcom County Math Championship – 2012

Mental Math – 6th Grade

- 1) What is the sum of two and a half and three and a half?
- 2) What is sixteen times four?
- 3) How much is five quarters, two dimes and three nickels?
- 4) What is the product of twelve and fourteen?
- 5) What is 75 percent of 400?

SWITCH TEAM MEMBERS

- 6) What is forty percent of twenty-five?
- 7) How many inches are there in 4 feet 3 inches?
- 8) Start with eight, then add five, then subtract seven, then divide by two. What number do you get?
- 9) What is two-thirds of 24, minus one-half of 10?
- 10) From one vertex of a hexagon, how many diagonals can you draw?

SWITCH TEAM MEMBERS

- 11) What is the result when seven less than thirty three is divided by two?
- 12) Find six squared and add two squared.
- 13) If you started reading a book at 10:45 and it takes three hours and twenty minutes to read the book, at what time will you be finished?
- 14) What is the square root of the square root of 81?
- 15) What is the perimeter of a square with an area of 64?

SWITCH TEAM MEMBERS

- 16) If you are travelling at a constant speed of sixty miles per hour, how many miles will you travel in two and a half hours?
- 17) How many halves are there in twelve?
- 18) As a reduced fraction, what is one-fourth minus one-fifth.
- 19) What is the surface area of a cube with sides of 3?
- 20) What is the positive distance between the sum and the product of four and six?

Whatcom County Math Championship – 2012

Mental Math – 7th + 8th Grade

- 1) What is sixteen times four?
- 2) How much is five quarters, two dimes and three nickels?
- 3) What is the product of twelve and fourteen?
- 4) What is 75 percent of 400?
- 5) A bag is filled with three yellow marbles and twelve red marbles. When one marble is drawn from the bag, what is the probability, as a percent, that it is red?

SWITCH TEAM MEMBERS

- 6) How many inches are there in 4 feet 3 inches?
- 7) Start with eight, then add five, then subtract seven, then divide by two. What number do you get?
- 8) What is two-thirds of 24, minus one-half of 10?
- 9) From one vertex of a hexagon, how many diagonals can you draw?
- 10) What is the sum of the first 5 prime numbers?

SWITCH TEAM MEMBERS

- 11) Find six squared and add two squared.
- 12) If you started reading a book at 10:45 and it takes three hours and twenty minutes to read the book, at what time will you be finished?
- 13) What is the square root of the square root of 81?
- 14) What is the perimeter of a square with an area of 64?
- 15) If you are rolling two fair six-sided dice, what is the probability that the sum will be eight?

SWITCH TEAM MEMBERS

- 16) How many halves are there in twelve?
- 17) As a reduced fraction, what is one-fourth minus one-fifth.
- 18) What is the surface area of a cube with sides of 3?
- 19) What is the positive distance between the sum and the product of four and six?
- 20) A right triangle has a short side of twelve and a hypotenuse of twenty; what is the length of the third side?