

Whatcom County Math Championship – 2013

Mental Math – 4th Grade

1. What is the lowest common denominator for the numbers one – fourth and one – third?
2. What is eight times six?
3. How many inches are there in six feet, four inches?
4. What is the positive difference between the product and sum of four and five?
5. If a rectangle has an area of 36 and the width is four times the length, what is the perimeter?

SWITCH TEAM MEMBERS

6. How many seconds are there in twelve minutes?
7. What is the product of three, four and five?
8. What is one – fifth minus one – sixth, as a reduced fraction?
9. What is the least common multiple of 12 and 15?
10. The low temperatures over a three – day weekend are eighteen, twenty – nine and twenty – five. What was the average low temperature?

SWITCH TEAM MEMBERS

11. How far do you travel if you bike 9 miles per hour for 20 minutes?
12. Write forty percent as a fraction in lowest terms.
13. What is the greatest common factor of thirty – six and sixty?
14. What is the measure of one angle of an equilateral triangle?
15. Willow eats half of her Valentines candy on February fifteenth and half of what she has on February sixteenth. If she has only 6 pieces of candy on the seventeenth, how many pieces did she start with?

SWITCH TEAM MEMBERS

16. How many minutes pass between 10:45 AM and 12:20 PM?
17. How many diagonals are there in a regular pentagon?
18. What is the remainder when you divide 96 by 7?
19. What is the perimeter of a square with area 81?
20. What is 80% of 80?

Whatcom County Math Championship – 2013

Mental Math – 5th Grade

1. What is eight times six?
2. How many inches are there in six feet, four inches?
3. What is the positive difference between the product and sum of four and five?
4. If a rectangle has an area of 36 and the width is four times the length, what is the perimeter?
5. Start with fifteen, add five, multiply by six, and divide by four. What do you get?

SWITCH TEAM MEMBERS

6. What is the product of three, four and five?
7. What is one – fifth minus one – sixth, as a reduced fraction?
8. What is the least common multiple of 12 and 15?
9. The low temperatures over a three – day weekend are eighteen, twenty – nine and twenty – five. What was the average low temperature?
10. What is the square of the difference of fifteen and eight?

SWITCH TEAM MEMBERS

11. Write forty percent as a fraction in lowest terms.
12. What is the greatest common factor of thirty – six and sixty?
13. What is the measure of one angle of an equilateral triangle?
14. Willow eats half of her Valentines candy on February fifteenth and half of what she has on February sixteenth. If she has only 6 pieces of candy on the seventeenth, how many pieces did she start with?
15. If six blue marbles, two green marbles and eight orange marbles are placed in a bag, what is the probability that a randomly chosen marble will not be blue? Answer as a fraction.

SWITCH TEAM MEMBERS

16. How many diagonals are there in a regular pentagon?
17. What is the remainder when you divide 96 by 7?
18. What is the perimeter of a square with area 81?
19. What is 80% of 80?

20. If you flip a coin and roll a six – sided die, what is the probability that you will get heads and a prime number?

Whatcom County Math Championship – 2013

Mental Math – 6th Grade

1. How many inches are there in six feet, four inches?
2. What is the positive difference between the product and sum of four and five?
3. If a rectangle has an area of 36 and the width is four times the length, what is the perimeter?
4. Start with fifteen, add five, multiply by six, and divide by four. What do you get?
5. What is half – a – dozen plus one – third of a half – a dozen?

SWITCH TEAM MEMBERS

6. What is one – fifth minus one – sixth, as a reduced fraction?
7. What is the least common multiple of 12 and 15?
8. The low temperatures over a three – day weekend are eighteen, twenty – nine and twenty – five. What was the average low temperature?
9. What is the square of the difference of fifteen and eight?
10. One – zero in base a is what number in base ten?

SWITCH TEAM MEMBERS

11. What is the greatest common factor of thirty – six and sixty?
12. What is the measure of one angle of an equilateral triangle?
13. Willow eats half of her Valentines candy on February fifteenth and half of what she has on February sixteenth. If she has only 6 pieces of candy on the seventeenth, how many pieces did she start with?
14. If six blue marbles, two green marbles and eight orange marbles are placed in a bag, what is the probability that a randomly chosen marble will not be blue? Answer as a fraction.
15. What is the average of the fourth prime number and the fourth odd positive number?

SWITCH TEAM MEMBERS

16. What is the remainder when you divide 96 by 7?
17. What is the perimeter of a square with area 81?
18. What is 80% of 80?
19. If you flip a coin and roll a six – sided die, what is the probability that you will get heads and a prime number?

20. What is the product of thirty – nine and fourteen?

Whatcom County Math Championship – 2013

Mental Math – 7th + 8th Grade

1. What is the positive difference between the product and sum of four and five?
2. If a rectangle has an area of 36 and the width is four times the length, what is the perimeter?
3. Start with fifteen, add five, multiply by six, and divide by four. What do you get?
4. What is half – a – dozen plus one – third of a half – a dozen?
5. What is the sum of the interior angles of a pentagon?

SWITCH TEAM MEMBERS

6. What is the least common multiple of 12 and 15?
7. The low temperatures over a three – day weekend are eighteen, twenty – nine and twenty – five. What was the average low temperature?
8. What is the square of the difference of fifteen and eight?
9. One – zero in base a is what number in base ten?
10. What is one – half of one – third of one – fourth?

SWITCH TEAM MEMBERS

11. What is the measure of one angle of an equilateral triangle?
12. Willow eats half of her Valentines candy on February fifteenth and half of what she has on February sixteenth. If she has only 6 pieces of candy on the seventeenth, how many pieces did she start with?
13. If six blue marbles, two green marbles and eight orange marbles are placed in a bag, what is the probability that a randomly chosen marble will not be blue? Answer as a fraction.
14. What is the average of the fourth prime number and the fourth odd positive number?
15. If it takes Maddy two and a half hours to drive ninety miles, how fast is she going in miles per hour?

SWITCH TEAM MEMBERS

16. What is the perimeter of a square with area 81?
17. What is 80% of 80?
18. If you flip a coin and roll a six – sided die, what is the probability that you will get heads and a prime number?
19. What is the product of thirty – nine and fourteen?

20. What is the cube root of the square of eight?