Washington State Math Championship 2008
Mental Math 5TH Grade

1.   How many cubic centimeters could fit inside a cube that is 5 centimeters wide?

2.   What is the perimeter of a square that has an area of 144?

3.   If the sum of x and y is 124, and $y = 77$, then what is x?

4.   If the perimeter of a square is 2008 centimeters then how long is one side, in centimeters?

5.   Today is April 19th. The high school competition was on February 9th. How many days ago was the high school competition?

SWITCH TEAM MEMBERS

6.   What is the sum of 90, 586, and 17?

7.   What is the perimeter of a regular octagon with a side length of 21?

8.   How many millions is one-hundred-fifty thousand multiplied by 20?

9.   What is the probability of randomly selecting one purple pen from a bag full of 10 purple pens, 25 red pens and 5 blue pens? Write your answer as a reduced fraction.

10. What is the largest factor common to both 60 and 115?

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11. If a one-way adult train ticket from Bellingham to Seattle costs $29.40 and a youth ticket costs $17.70, how much would a round trip cost for one adult and one youth?

12. What is 10 cubed divided by 5 squared?

13. What is 51 squared?

14. What is the difference between 500, and one-half of 196?

15. If a cylinder has a height of 4 centimeters and a volume of 16pi cubic centimeters, then how many centimeters is the diameter?