Name: _____   Date: _____

The MATH Behind the Big Game

Solve each math problem to learn facts about the yearly "big game"!

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1. Miami will break the record in 2020 for hosting the most super bowl games. Solve to find out how many times they will have hosted the game.

$$3(8 + 7) - (6^2 - 2)$$

2. Six out of every twenty-five Americans will plan to attend a party for the big game. Write this number as a percentage.

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3. *Simplify* to find out the number of calories the average person consumes during a party for the game**.**

$$\frac{2^3 \times 3^2 \times 10^2}{3}$$

4. 14,500 tons of chips and 8 million pounds of guacamole are expected to be eaten on game day! How many pounds of chips are eaten?

Use the following roman numeral code to answer the next questions below.

1=I 2=II 3=III 4 = IV 5= V 6 = VI 7= VII
8 = VIII 9 = IX 10 = X 50 = L

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5. This year's game is LIV. What number game is this?

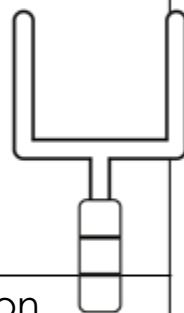**6.** Using roman numerals, write the game that will be played in 2023.

Ticket Prices to the Big Game: The average cost for last year's ticket was $4,380. Use that information to answer the next two questions.

7. How much would be the cost of two tickets?

8. Would $16,000 be enough to cover the price of 4 tickets? Explain how you know.

9. This year's stadium holds 65,000 people. Estimate the cost of tickets for just **one tenth** of the stadium.

10. The cost of a thirty second commercial in 2019 was 5.24 million dollars. Write this number in standard form.

11. What would the cost of a commercial that is a minute long?

12. 23% of people prefer to watch the commercials over the football game. At a party of 25 people, about how many people would be most interested in the commercials?