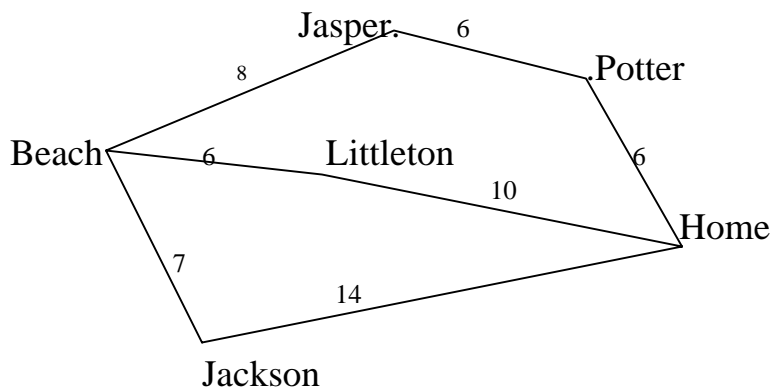


Mr. G.'s Math Marvels

Sample FACT Problems- Handout #40

1-2. Mr G. rolled a number generator three times and the numbers which appeared were: 3, 6, and 5. What is the largest number that Mr. G. could create using these three numbers? _____ the smallest? _____ What is a number that he can create that is neither the largest nor the smallest?

3. Mr. G wants to go to the beach. Using the map below, what is the closest way for him to get to the beach from home?



4. What is the longest way for Mr. G to get to the beach from home?

5. Order the following numbers from least to greatest. 332, 241, and 199.

_____, _____, _____

6. Mr G. drew the numbers 5, 9, and 4. What is a number he can make that will not be the largest nor the smallest number? _____

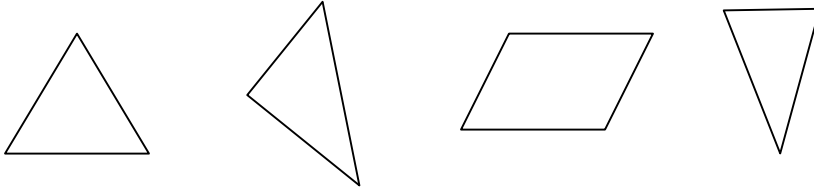
7. Jose read for 20 minutes. He began at 10:15AM. What time was it when he finished reading? _____

Add or Subtract the following:

8. $12 - 9$ _____ 9. $7 + 6$ _____ 10. $14 - 8$ _____

11. $18 + 3$ _____ 12. $17 - 8$ _____ 13. $12 + 13$ _____

Circle the polygon below that is not a triangle?



Circle the group below that is not an array.



Supply the missing number.

16. $8 + \underline{\hspace{1cm}} = 16$ 17. $13 - \underline{\hspace{1cm}} = 7$ 18. $19 - \underline{\hspace{1cm}} = 8$

19. $23 + \underline{\hspace{1cm}} = 31$ 20. $29 - \underline{\hspace{1cm}} = 17$ 21. $7 + \underline{\hspace{1cm}} = 16$

Mr G. has a bag of marbles with 5 black, 4 red, 3 orange, 8 green, 2 white, 5 blue, and 6 yellow marbles. If he closes his eyes and pulls one marble from the bag, what color is he most likely to pick? 22. _____ Why?

23. _____.

What color is he least likely to choose from the bag? 24. _____ Why?

25. _____.

What color has the same chance of being chosen as black? 26. _____

27 – 28. Name two things all of the following polygons have in common?

