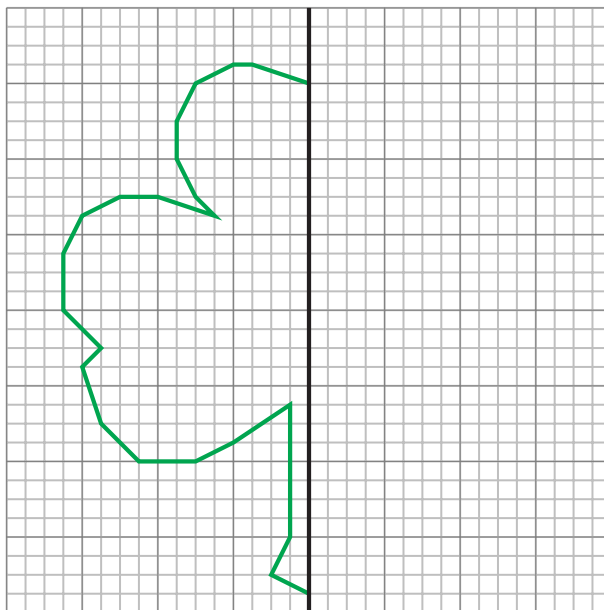


# St. Patrick's Day Word Problems

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Fionn and Eavan made green smoothies for their St. Patrick's Day party. Each smoothie required  $\frac{3}{4}$  cup of milk,  $\frac{1}{3}$  cup of vanilla yogurt,  $\frac{1}{4}$  teaspoon mint extract, one banana, and  $\frac{1}{8}$  teaspoon of green food coloring. How much of each ingredient did they use for twelve smoothies?
2. Draw the other side of the Shamrock by reflecting the existing drawing.



3. Briana had nine four-leaf clovers, twenty-nine three-leaf clovers, a two-leaf clover and a five-leaf clover. How many leaves were there in her collection?
4. Hugh wanted to paint his treehouse green for St. Patrick's Day. His mother said he needed to measure it and let her know the total surface area in order to get the correct amount of paint. He measured the six walls that needed painting and the three windows and two doors that were in the walls that didn't need painting.

| Walls          | Windows and Doors |
|----------------|-------------------|
| $6' \times 5'$ | $2' \times 2'$    |
| $6' \times 3'$ | $2' \times 2'$    |
| $6' \times 3'$ | $4' \times 2'$    |
| $6' \times 4'$ | $3' \times 5'$    |
| $6' \times 7'$ | $3' \times 5'$    |
| $6' \times 8'$ |                   |

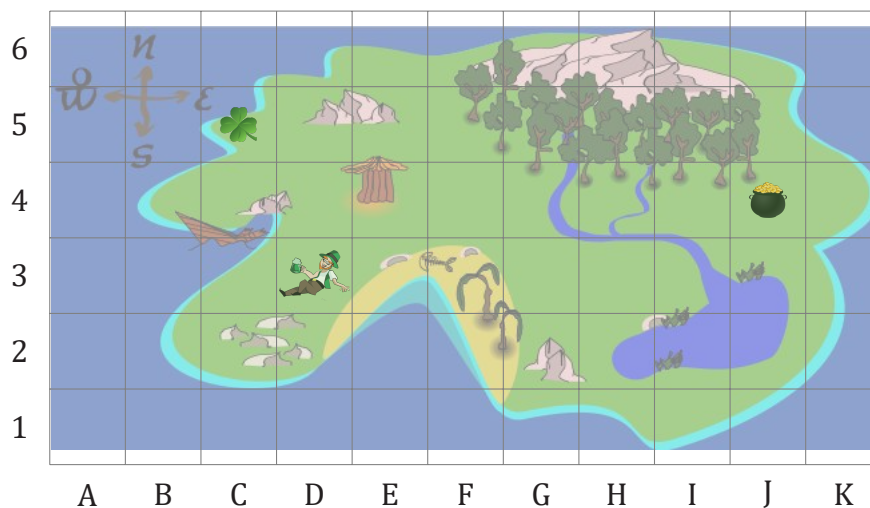
What surface area did he report to his mother?

5. Lenny the Leprechaun's pot of gold contained four diamonds, five rubies, twelve emeralds and 105 gold coins. In leprechaun currency, each diamond was worth \$14.50, each ruby \$12.75, each emerald \$8.25 and each gold coin \$3.50. How much was the contents of Lenny's pot of gold worth?



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6. Keela was making a flag of Ireland for St. Patrick's Day. She knew that the flag was exactly twice as long as it was tall and that there were three equally sized vertical bars in green, white and orange (from left to right). She used  $9'' \times 12''$  construction paper to make her flag. The width of the green bar was exactly two short sides of the construction paper across minus a  $\frac{1}{2}''$  overlap. What were the dimensions of the final flag and how many pieces of construction paper did it take?
7. The St. Patrick's Day parade in Shamrock followed a circuitous route through the city that only had streets running in a grid pattern from north to south and east to west. The parade started pointing east and had the following turns: right, right, left, right, right, left, left, right, left, right. In which direction did the parade end?
8. As everyone knows, shamrocks have three leaves and four-leaf clovers, well, they have four leaves. What possible combinations of shamrocks and four-leaf clovers would result in a total of 53 leaves?
9. At what map coordinates will you find the pot of gold? The four-leaf clover? The leprechaun?



10. If every letter is given a value based on its position in the alphabet (for example, a = 1, b = 2, c = 3 and so on), how much are the following worth in total? Which one is worth the most? SHAMROCK, SAINT PATRICK, LEPRECHAUN, FOUR-LEAF CLOVER
11. Sineads's dad was in charge of the door for the St. Patrick's Boogie. He counted 140 students come through the door and reported later that 84% of the boys and 80% of the girls were wearing green. If the total number of students wearing green was 115, how many boys and how many girls were at the boogie?
12. Niamh was looking at her calendar at 3:25 p.m. on February 15, 2016. She was really looking forward to the St. Patrick's Day party on March 17 at 2:00 p.m. How many days, hours and minutes did she have to wait? (2016 is a leap year)



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13. For St. Patrick's Day, Mrs. G's sixth grade class was given a choice of four different drinks. One-quarter of the class chose the green milkshakes, one-third of the class chose the green ginger ale, one-eighth of the class chose the green milk and one-sixth of the class chose the green juice. How many students did not have a drink?

14. The St. Patrick's Day jelly beans came in six colors: red, orange, yellow, green, blue and purple. Lochlan's package contained twice as many orange jelly beans as red. There were three more yellow jelly beans than green ones and five more purple than blue. There was one more green jelly bean than red and exactly the same number of green and blue. If there were 89 jelly beans in the package, how many of each color was there?

15. Ronan's art class was making a lot of shamrock cut-outs to decorate the halls of the school. Each shamrock required a square piece of green Bristol board. How many pieces of Bristol board would be required? If the students threw out the Bristol board that wasn't used for shamrocks, what percent of the Bristol board was wasted?

16. Lara the Leprechaun was very good at cartwheels and somersaults. Every cartwheel she did covered a distance equal to twice her arm's length from shoulder to wrist times 3.14. Her somersaults covered a distance of 3.14 times the distance from her chin to her knees (which was 15cm). If her arm length was 19 cm, approximately how far would she get in 25 somersaults and 25 cartwheels?

17. Larry the Leprechaun discovered that one of his nine coins was fake and the only way to tell was that the fake coin weighed slightly less than the real coins. Using his balance, he quickly discovered the fake coin after only two measurements. How did he do it? How many measurements would it take to discover one fake coin among 80 coins?

