Data/Probability Word Problems $\qquad$

## 2nd Grade

1. You have 3 numbers on your spinner, 1,2 and 3 . What are the chances it will land on 2?
2. Write 3 statements about the weather today. One statement should use certa in, a nother statement should use impossible and a nother statement should use uncertain.
3. There are 9 green jelly beans in a jarand 1 red jelly bean in a jar. You can't see through the jar. What are your chances of putting your hand in and getting a red jelly bean?
4. Write 4 statements a bout you using: impossible, unlikely, likely, certa in.
5. Find a coin to flip. Predict how many heads and ta ils you will get if you flip the coin 10 times. Then record what you got.
6. If you flipped a coin, what are the chances it will land on heads? Tails? Explain.
7. If you had a coin that was yellow on one side and green on the other, what are you chances of tossing is and landing on green? Explain.
8. 

| 1 | 2 |
| :--- | :--- |
| 4 | 3 |

Look at the spinner. What are the chances of taking
1 spin and landing on 1 ? 2? 3? 3? Explain.
9. Write 3 statements a bout school. 1 using impossible, 1 using likely and 1 using certa in.
10. Tell what the weatheman means when he says there's a $90 \%$ chance of rain today.

# Data/Probability <br> Word Problem Answers <br> 2nd Grade 

1. 1 out of 3 changes of landing on 3 .
2. Answers will vary but the child should understand the probability of the weather. (A cloudy day would show a statement like 'chances of rain are uncertain, chances of clouds are certain etc.)
3. Unlikely-only a 1 in 10 chance because there are 10 jelly beans and only 1 is red.
4. Answers will vary. (Examples: it's unlikely l'll ever be 7 feet tall, it's likely I will always have curly hair, it's certain that l'll have fun on my bithday)
5. Conversations about which side has a better chance or not should occur.
6. 1 out of 2 chances bec a use there are 2 sides and both have equal chances.
7. 1 out of 2 chances bec a use there are 2 sides and both have equal chances.
8. Equal chances for all 4 numbers, 1 in 4 chances.
9. Answers will vary. (impossible to spend 4 years in the 2 nd grade, certain you'll pass this yearetc.)
10. Weatherman statements should be understood by 2nd grade students. (The closer to $100 \%$, the greater the chance of rain/snow/sun etc. the smallerthe percentage, the lesserchance.)
