

Year 5 Chance Worksheet



1. If you flip a coin 2 times, what is the best prediction possible for the number of times it will land on tails?
2. You select a marble without looking from a pack of purple marbles and then put it back. If you do this 9 times, what is the best prediction possible for the number of times you will pick a marble that is not purple?
3. If you flip two coins 84 times, what is the best prediction possible for the number of times both coins will land on tails?
4. James is deciding what to wear to school. He has a green shirt and a purple shirt, and he has blue and beige pants. He also has skate shoes, sandals, high tops, and running shoes, and white and brown socks. If he can wear any color shirt, any pair of pants, any pair of shoes, and any color socks, how many different combinations can James pick?
5. If you roll a 6-sided die 60 times, what is the best prediction possible for the number of times you will roll a five?

6. What is the median?

19 12 14 15 13 18 11

7. What is the mean?

59 49 70 55 62 77

8. What is the range?

79 75 81 81 81 86 74 79 70

9. Alex has the following data:

h 9 3 2 4

If the median is 4, which number could h be?

- A. 2
- B. 9

10. Hudson has the following data:

5 v 3 4

If the mode is 3, which number could v be?

- A. 3
- B. 4

11. Melissa has the following data:

18 10 r 16 10 18

If the mean is 13, which number could r be?

- A. 12
- B. 6

12. Look at this stem-and-leaf plot:

Push-up competition (number of push-ups)

Stem	Leaf
5	2 2 5 5 5
6	4 4 4 4 4
7	
8	1

What is the mode of the numbers?

13. Look at this stem-and-leaf plot:

Offices per floor

Stem	Leaf
4	9
5	5 8
6	5 5 8 9
7	5 6 6 7 8 9

What is the range of the numbers?

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14. Steve is picking out his clothes for school. He can wear a polo shirt, sweatshirt, or T-shirt as a top. For pants, he has corduroys, shorts, wool pants, and khakis. Assuming all the clothes go together, how many different combinations can Steve pick?

15. Melissa is picking her activities for this year. She wants to play one sport, join one club, and participate in one music activity. The sports she can play are soccer and basketball. The clubs she is considering are the science club, the journalism club, and the art club. For music, she can pick jazz band, orchestra, or marching band. How many different combinations of activities can Melissa pick?

16. Chelsea wants to get a sandwich from the deli for lunch. She can pick a ham, roast beef, vegetarian, or tuna sandwich. The bread choices are multigrain or white. She can have cheddar or provolone cheese. How many different combinations can Chelsea pick from?