

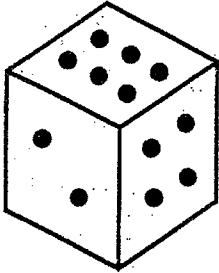
Homework

Probability

Skill: probability

Name _____

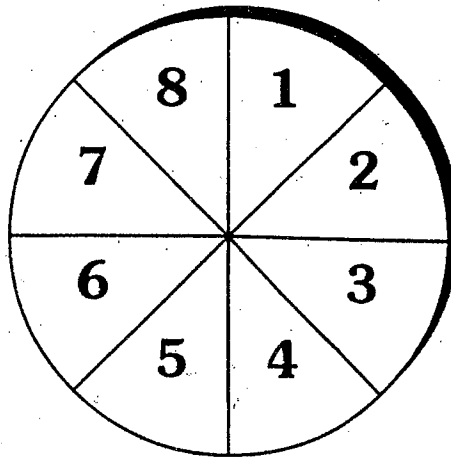
Find the probability for the die.



1. $P(4)$
2. $P(\text{odd number})$
3. $P(1 \text{ or } 5)$
4. $P(\text{multiple of } 2)$
5. $P(\text{prime number})$
6. $P(\text{factor of } 120)$
7. $P(8)$
8. $P(\text{number} < 5)$

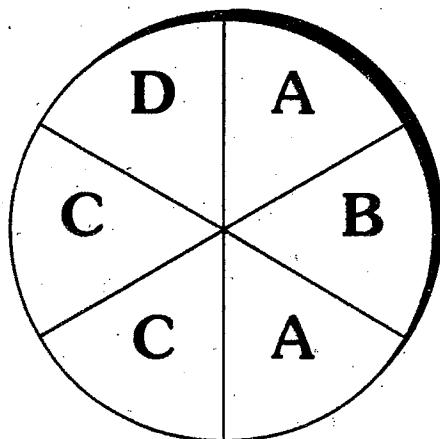
Find the probability for the spinner.

9. $P(7)$
10. $P(2 \text{ or } 3)$
11. $P(\text{even number})$
12. $P(\text{number} > 2)$
13. $P(\text{multiple of } 2)$
14. $P(\text{factor of } 280)$
15. $P(\text{odd number})$
16. $P(\text{number} < 5)$
17. $P(\text{factor of } 60)$
18. $P(\text{not } 5)$



Find the probability for the spinner.

19. $P(A)$
20. $P(C)$
21. $P(B \text{ or } D)$
22. $P(A \text{ or } B)$
23. $P(\text{not } D)$
24. $P(B)$
25. $P(C \text{ or } A)$
26. $P(D \text{ or } A)$
27. $P(D)$
28. $P(B \text{ or } C)$



HOMWORK: BASIC PROBABILITY

"What's the Chance???" Station

HOMWORK

NAME _____

Here is the sample space for spinning the two spinners. All outcomes are equally likely.

First spinner

Second spinner

AA
 AB
 AC
 BA
 BB
 BC
 CA
 CB
 CC
 DA
 DB
 DC

Complete. Give each probability in simplest form. *The order of the letters does not matter.*

1. $P(A, A) = \underline{\hspace{2cm}}$
2. $P(B, B) = \underline{\hspace{2cm}}$
3. $P(C, C) = \underline{\hspace{2cm}}$
4. $P(B, C) = \underline{\hspace{2cm}}$
5. $P(D, A) = \underline{\hspace{2cm}}$
6. $P(A, D) = \underline{\hspace{2cm}}$
7. $P(\text{both letters alike}) = \underline{\hspace{2cm}}$
8. $P(\text{first letter is B}) = \underline{\hspace{2cm}}$
9. $P(\text{second letter is C}) = \underline{\hspace{2cm}}$
10. $P(\text{first letter is not A}) = \underline{\hspace{2cm}}$
11. $P(\text{both letters not alike}) = \underline{\hspace{2cm}}$
12. $P(\text{second letter is not A}) = \underline{\hspace{2cm}}$

Here is the sample space for tossing three coins. *The order does not matter.*

HHH
 HHT
 HTH
 HTT
 THH
 THT
 TTH
 TTT

13. $P(H, H, H) = \underline{\hspace{2cm}}$
14. $P(T, T, T) = \underline{\hspace{2cm}}$
15. $P(H, T, H) = \underline{\hspace{2cm}}$
16. $P(T, H, T) = \underline{\hspace{2cm}}$
17. $P(\text{exactly 1 head}) = \underline{\hspace{2cm}}$
18. $P(\text{exactly 1 tail}) = \underline{\hspace{2cm}}$
19. $P(\text{exactly 2 heads}) = \underline{\hspace{2cm}}$
20. $P(\text{exactly 2 tails}) = \underline{\hspace{2cm}}$
21. $P(\text{exactly 2 coins alike}) = \underline{\hspace{2cm}}$
22. $P(\text{all 3 coins alike}) = \underline{\hspace{2cm}}$