

Precalculus Practice S.CP.B.9: Permutations 2

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NAME: \_\_\_\_\_

- How many different arrangements can be made with the letters in the word CRAYON?  
[A] 30    [B] 15    [C] 720    [D] 156
- How many different arrangements can be made with the letters in the word GAME?  
[A] 24    [B] 4    [C] 16    [D] 6
- How many distinct arrangements can be made with the letters in the word ALUMINUM?  
[A] 12,520    [B] 5040  
[C] 10,080    [D] 208
- How many different arrangements can be made with the letters in the word IOWA?  
[A] 4    [B] 104    [C] 24    [D] 6
- How many different arrangements can be made with the letters in the word MOVIE?  
[A] 100    [B] 120    [C] 130    [D] 20
- How many distinct arrangements can be made with the letters in the word TALLAHASSEE?  
[A] 286    [B] 1,663,200  
[C] 831,600    [D] 834,040
- How many distinct arrangements can be made with the letters in the word SATELLITE?  
[A] 22,680    [B] 47,800  
[C] 45,360    [D] 234
- How many distinct arrangements can be made with the letters in the word SURPRISING?  
[A] 260    [B] 453,600  
[C] 907,200    [D] 451,160
- How many different arrangements can be made with the letters in the word TOPIC?  
[A] 130    [B] 100    [C] 120    [D] 5

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10. How many different arrangements can be made with the letters in the word GRAPHICS?  
[A] 40,320 [B] 8 [C] 64 [D] 784
11. How many different arrangements can be made with the letters in the word ZEBRA?  
[A] 130 [B] 20 [C] 120 [D] 10
12. How many distinct arrangements can be made with the letters in the word BOOKKEEPER?  
[A] 302,400 [B] 148,760  
[C] 151,200 [D] 260
13. How many distinct arrangements can be made with the letters in the word COMMITTEE?  
[A] 45,360 [B] 22,680  
[C] 47,800 [D] 234
14. How many distinct arrangements can be made with the letters in the word MISSISSIPPI?  
[A] 69,300 [B] 34,650  
[C] 286 [D] 32,210
15. How many different arrangements can be made with the letters in the word POWER?  
[A] 120 [B] 5 [C] 25 [D] 10
16. How many different arrangements can be made with the letters in the word MATH?  
[A] 16 [B] 36 [C] 4 [D] 24
17. How many distinct arrangements can be made with the letters in the word CINCINNATI?  
[A] 260 [B] 47,960  
[C] 50,400 [D] 25,200
18. How many different arrangements can be made with the letters in the word ORANGE?  
[A] 720 [B] 15 [C] 30 [D] 36

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- [1] C
- [2] A
- [3] C
- [4] C
- [5] B
- [6] C
- [7] C
- [8] B
- [9] C
- [10] A
- [11] C
- [12] C
- [13] A
- [14] B
- [15] A
- [16] D
- [17] C
- [18] A