

Why Couldn't the Church Steeple Keep a Secret?

Solve each problem below and find your solution in the answer column. Write the letter of the answer in each box containing the number of the problem.

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| <p>① In how many ways can you arrange 6 things?</p> <p>② In how many ways can you arrange 6 things, 3 at a time?</p> <p>③ Maria keeps her 4 stuffed bears lined up on a shelf over her bed. How many arrangements of the bears are possible?</p> <p>④ How many different 2-letter arrangements can be selected from the 5 letters in the word CANDY?</p> <p>⑤ Eleven people are competing in a sack race. There is a blue ribbon for first, a red ribbon for second, and a white ribbon for third. How many different first-second-third place finishes are possible?</p> <p>⑥ David has decided he wants to call Jessica, Martha, and Eileen, but he hasn't decided in what order to call them. How many choices does he have?</p> <p>⑦ The teacher plans to assign 8 students to 8 desks for a debate. How many different seating arrangements are possible?</p> <p>⑧ In how many different ways can a president, vice-president, and secretary be elected from a class of 32 students?</p> <p>⑨ If a school offers 9 different subjects, how many different schedules of 5 classes are possible?</p> <p>⑩ Tak-Kee Plastic Company prints a 2-letter code on each of its products. How many different 2-letter codes can be formed using the 26 letters of the alphabet if the two letters must be different?</p> <p>⑪ SureLock Lock Company makes combination locks with 50 numbers printed on the dial. Each lock combination is an arrangement of 3 different numbers. How many locks can the company make without repeating a combination?</p> | <p>•••••</p> <p>• (F) 690</p> <p>• (Y) 15,120</p> <p>• (H) 20</p> <p>• (K) 8</p> <p>• (W) 40,320</p> <p>• (N) 110,200</p> <p>• (S) 720</p> <p>• (R) 14,830</p> <p>• (T) 29,760</p> <p>• (O) 24</p> <p>• (L) 117,600</p> <p>• (G) 36</p> <p>• (A) 990</p> <p>• (E) 120</p> <p>• (B) 650</p> <p>• (P) 41,150</p> <p>• (D) 6</p> <p>• (C) 27,360</p> <p>•</p> |
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8	4	2	10	2	11	11	5	11	7	5	9	1	8	3	11	11	2	6
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