

9-4**Practice: Skills*****Permutations***

Find the value of each expression.

1. $2!$

2. $4!$

3. $3! \cdot 5!$

4. nine factorial

5. $2! \cdot 8!$

6. $3! \cdot 2!$

7. $11 \cdot 10 \cdot 9$

8. $10!$

9. $5! \cdot 2!$

10. $5 \cdot 4 \cdot 3 \cdot 2$

11. $8! \cdot 6!$

12. $6! \cdot 4!$

13. How many ways can you arrange the letters in the word PRIME?

14. How many ways can you arrange 8 different crates on a shelf if they are placed from left to right?