

Lesson 6 Skills Practice

Permutations

Find each value. Use a calculator if needed.

1. $P(2,2)$

$$\frac{2}{2} = \frac{2}{2}$$

3. $P(5,4)$

$$\frac{5}{4}$$

5. $P(8,7)$

$$\frac{8}{7}$$

7. $P(11,3)$

$$\frac{11}{3}$$

9. $P(6,5)$

$$\frac{6}{5}$$

11. $P(7,4)$

$$\frac{7}{4}$$

2. $P(4,3)$

$$\frac{4}{3}$$

4. $P(9,5)$

$$\frac{9}{5}$$

6. $P(12,13)$

$$\frac{13}{12}$$

8. $P(10,4)$

$$\frac{10}{4}$$

10. $P(5,3)$

$$\frac{5}{3}$$

12. $P(6,4)$

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?