Task card 1 Operations with Radicals

$$8\sqrt{3} + 7\sqrt{3}$$

Task card 2 Operations with Radicals

$$\sqrt{7} \cdot \sqrt{3}$$

Task card 3 Operations with Radicals

$$2\sqrt{3} + 8\sqrt{3}$$

Task card 4 Operations with Radicals

$$\sqrt{11} \cdot \sqrt{10}$$

Task card 5 Operations with Radicals

$$9\sqrt{10} + 6\sqrt{10}$$

Task card 6 Operations with Radicals

$$\sqrt{5} \cdot \sqrt{3}$$

Task card 7 Operations with Radicals

$2\sqrt{10} + \sqrt{10}$

Task card 8 Operations with Radicals

$\sqrt{5} \cdot \sqrt{10}$

Task card 9 Operations with Radicals

$6\sqrt{10} - \sqrt{10}$

Task card 10 Operations with Radicals

$\sqrt{10} \cdot \sqrt{5}$

Task card 11 Operations with Radicals

$3\sqrt{6} + 4\sqrt{6}$

Task card 12 Operations with Radicals

$\sqrt{3} \cdot \sqrt{6}$

Task card 13 Operations with Radicals

$$4\sqrt{3} - 3\sqrt{3}$$

Task card 14 Operations with Radicals

$$3\sqrt{5} - 2\sqrt{5}$$

Task card 15 Operations with Radicals

$$\sqrt{7} \cdot \sqrt{6}$$

Task card 16 Operations with Radicals

$$5\sqrt{10} - 3\sqrt{10}$$

Task card 17 Operations with Radicals

$$\sqrt{175} - \sqrt{7}$$

Task card 18 Operations with Radicals

$$\sqrt{7} \cdot \sqrt{11}$$

Task card 19 Operations with Radicals

$$\frac{24}{\sqrt{6}}$$

Task card 20 Operations with Radicals

$$6\sqrt{11} - 5\sqrt{11}$$

Task card 21 Operations with Radicals

$$\sqrt{27} + \sqrt{3}$$

Task card 22 Operations with Radicals

$$\sqrt{2} \cdot \sqrt{3}$$

Task card 23 Operations with Radicals

$$\frac{2}{\sqrt{2}}$$

Task card 24 Operations with Radicals

$$4\sqrt{3} + 9\sqrt{3}$$

Operations with Radicals Task Cards

Recording sheet · Grade 9 · Simplify. Write each answer in simplest radical form, like 5√3.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Operations with Radicals Task Cards: Answer Key

Grade 9 · Easy

The answers online

1. $15\sqrt{3}$	**2.** $\sqrt{21}$	**3.** $10\sqrt{3}$
4. $\sqrt{110}$	**5.** $15\sqrt{10}$	**6.** $\sqrt{15}$
7. $3\sqrt{10}$	**8.** $5\sqrt{2}$	**9.** $5\sqrt{10}$
10. $5\sqrt{2}$	**11.** $7\sqrt{6}$	**12.** $3\sqrt{2}$
13. $\sqrt{3}$	**14.** $\sqrt{5}$	**15.** $\sqrt{42}$
16. $2\sqrt{10}$	**17.** $4\sqrt{7}$	**18.** $\sqrt{77}$
19. $4\sqrt{6}$	**20.** $\sqrt{11}$	**21.** $4\sqrt{3}$
22. $\sqrt{6}$	**23.** $\sqrt{2}$	**24.** $13\sqrt{3}$