Task card 1 Operations with Radicals

$$2\sqrt{125} + \sqrt{80}$$

Task card 2 Operations with Radicals

$$3\sqrt{176} + \sqrt{99}$$

Task card 3 Operations with Radicals

$$3\sqrt{10} \cdot 6\sqrt{6}$$

Task card 4 Operations with Radicals

$$\frac{80}{\sqrt{10}}$$

Task card 5 Operations with Radicals

$$2\sqrt{176} + \sqrt{11}$$

Task card 6 Operations with Radicals

$$3\sqrt{160} - \sqrt{250}$$

Task card 7 Operations with Radicals

$$3\sqrt{11} \cdot 5\sqrt{3}$$

Task card 8 Operations with Radicals

$$\frac{5}{\sqrt{5}}$$

Task card 9 Operations with Radicals

$$2\sqrt{8} + \sqrt{32}$$

Task card 10 Operations with Radicals

$$3\sqrt{54} - \sqrt{150}$$

Task card 11 Operations with Radicals

$$3\sqrt{5} \cdot 4\sqrt{8}$$

Task card 12 Operations with Radicals

$$\frac{40}{\sqrt{5}}$$

Task card 13 Operations with Radicals

$$2\sqrt{80} - \sqrt{5}$$

Task card 14 Operations with Radicals

$$3\sqrt{54} - \sqrt{6}$$

Task card 15 Operations with Radicals

$$2\sqrt{7} \cdot 4\sqrt{3}$$

Task card 16 Operations with Radicals

$$\frac{12}{\sqrt{3}}$$

Task card 17 Operations with Radicals

$$3\sqrt{99} + \sqrt{11}$$

Task card 18 Operations with Radicals

$$5\sqrt{10} \cdot 4\sqrt{12}$$

Task card 19 Operations with Radicals

$$\frac{16}{\sqrt{2}}$$

Task card 20 Operations with Radicals

$$2\sqrt{12} - \sqrt{3}$$

Task card 21 Operations with Radicals

$$2\sqrt{24} + \sqrt{54}$$

Task card 22 Operations with Radicals

$$5\sqrt{6} \cdot 3\sqrt{8}$$

Task card 23 Operations with Radicals

$$\frac{66}{\sqrt{11}}$$

Task card 24 Operations with Radicals

$$3\sqrt{275} - \sqrt{11}$$

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 · Hard

The answers online

1. 14√5	**2.** 15√11	**3.** 36√15
4. 8√10	**5.** 9√11	**6.** 7√10
7. 15√33	**8.** √5	**9.** 8√2
10. 4√6	**11.** 24√10	**12.** 8√5
13. 7√5	**14.** 8√6	**15.** 8√21
16. 4√3	**17.** 10√11	**18.** 40√30
19. 8√2	**20.** 3√3	**21.** 7√6
22. 60√3	**23.** 6√11	**24.** 14√11