**Task card 1** Square Roots of Perfect Squares

Evaluate: $\sqrt{0.16}$

**Task card 2** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{25}{49}\right)}$

**Task card 3** Square Roots of Perfect Squares

Evaluate: $\sqrt{0.04}$

**Task card 4** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{1}{9}\right)}$

**Task card 5** Square Roots of Perfect Squares

Evaluate: $\sqrt{0.09}$

**Task card 6** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{4}{49}\right)}$

**Task card 7** Square Roots of Perfect Squares

Evaluate: $\sqrt{0.49}$

**Task card 8** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{1}{4}\right)}$

**Task card 9** Square Roots of Perfect Squares

Evaluate: $\sqrt{1.69}$

**Task card 10** Square Roots of Perfect Squares

Solve: $x^2 = \frac{1}{4}$

**Task card 11** Square Roots of Perfect Squares

Solve: $x^2 = 1.21$

**Task card 12** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{9}{25}\right)}$

**Task card 13** Square Roots of Perfect Squares

Solve: $x^2 = \frac{121}{144}$

**Task card 14** Square Roots of Perfect Squares

Solve: $x^2 = 0.81$

**Task card 15** Square Roots of Perfect Squares

Evaluate: $\sqrt{0.25}$

**Task card 16** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{25}{81}\right)}$

**Task card 17** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{9}{16}\right)}$

**Task card 18** Square Roots of Perfect Squares

Evaluate: $\sqrt{0.36}$

**Task card 19** Square Roots of Perfect Squares

Evaluate: $\sqrt{1.21}$

**Task card 20** Square Roots of Perfect Squares

Solve: $x^2 = \frac{9}{16}$

**Task card 21** Square Roots of Perfect Squares

Evaluate: $\sqrt{1.44}$

**Task card 22** Square Roots of Perfect Squares

Solve: $x^2 = \frac{25}{49}$

**Task card 23** Square Roots of Perfect Squares

Solve: $x^2 = 0.36$

**Task card 24** Square Roots of Perfect Squares

Evaluate: $\sqrt{\left(\frac{4}{81}\right)}$

# Square Roots of Perfect Squares Task Cards

Recording sheet · Grade 8 · Evaluate each square root. For x^2 = p, give both solutions, like x = 9 or x = -9.

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 |

# Square Roots of Perfect Squares Task Cards: Answer Key

Grade 8 · Hard

The answers online

| | | |
|---|---|---|
| **1.** 0.4 | **2.** $\frac{5}{7}$ | **3.** 0.2 |
| **4.** $\frac{1}{3}$ | **5.** 0.3 | **6.** $\frac{2}{7}$ |
| **7.** 0.7 | **8.** $\frac{1}{2}$ | **9.** 1.3 |
| **10.** $x = \frac{1}{2}$ or $x = -\frac{1}{2}$ | **11.** x = 1.1 or x = -1.1 | **12.** $\frac{3}{5}$ |
| **13.** $x = \frac{11}{12}$ or $x = -\frac{11}{12}$ | **14.** x = 0.9 or x = -0.9 | **15.** 0.5 |
| **16.** $\frac{5}{9}$ | **17.** $\frac{3}{4}$ | **18.** 0.6 |
| **19.** 1.1 | **20.** $x = \frac{3}{4}$ or $x = -\frac{3}{4}$ | **21.** 1.2 |
| **22.** $x = \frac{5}{7}$ or $x = -\frac{5}{7}$ | **23.** x = 0.6 or x = -0.6 | **24.** $\frac{2}{9}$ |