Task card 1 Square Roots & Cube Roots (Mixed R...

Solve: $4x^2 = 256$

Task card 2 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 - 6 = 58$

Task card 3 Square Roots & Cube Roots (Mixed R...

Evaluate: $\sqrt{\frac{16}{81}}$

Task card 4 Square Roots & Cube Roots (Mixed R...

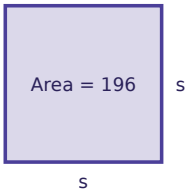
Solve: $x^2 = \frac{9}{25}$

Task card 5 Square Roots & Cube Roots (Mixed R...

Evaluate: $\sqrt[3]{64}$

Task card 6 Square Roots & Cube Roots (Mixed R...

A square has an area of 196 square units. How long is each side?



Task card 7 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 = -8$

Task card 8 Square Roots & Cube Roots (Mixed R...

Solve: $2x^2 = 98$

Task card 9 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 - 2 = -66$

Task card 10 Square Roots & Cube Roots (Mixed R...

Evaluate: $\sqrt[3]{\left(\frac{27}{125}\right)}$

Task card 11 Square Roots & Cube Roots (Mixed R...

Solve: $x^2 = \frac{25}{64}$

Task card 12 Square Roots & Cube Roots (Mixed R...

Evaluate: $\sqrt[3]{(-1000)}$

Task card 13 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 = 512$

Task card 14 Square Roots & Cube Roots (Mixed R...

Evaluate: $\sqrt{36}$

Task card 15 Square Roots & Cube Roots (Mixed R...

Solve: $4x^2 = 196$

Task card 16 Square Roots & Cube Roots (Mixed R...

Solve: $5x^2 = 80$

Task card 17 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 - 37 = -64$

Task card 18 Square Roots & Cube Roots (Mixed R...

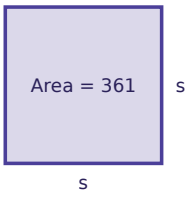
Evaluate: $\sqrt[3]{\frac{64}{125}}$

Task card 19 Square Roots & Cube Roots (Mixed R...

Evaluate: $\sqrt[3]{8}$

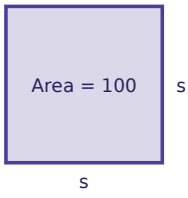
Task card 20 Square Roots & Cube Roots (Mixed R...

A square has an area of 361 square units. How long is each side?



Task card 21 Square Roots & Cube Roots (Mixed R...

A square has an area of 100 square units. How long is each side?



Task card 22 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 = -125$

Task card 23 Square Roots & Cube Roots (Mixed R...

Evaluate: $-\sqrt{169}$

Task card 24 Square Roots & Cube Roots (Mixed R...

Solve: $x^3 - 23 = 193$

Square Roots & Cube Roots (Mixed Review) Task Cards

Recording sheet · Grade 8 · Evaluate each root or solve the equation. For x^2 = p, give both solutions.

Scan to check your answers

Name: _____ Date: _____

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 & Cube Roots (Mixed Review) Task Cards: Answer Key

Grade 8 · Hard

The answers online

1. x = 8 or x = -8	**2.** x = 4	**3.** $\frac{4}{9}$
4. x = $\frac{3}{5}$ or x = -$\frac{3}{5}$	**5.** 4	**6.** 14
7. x = -2	**8.** x = 7 or x = -7	**9.** x = -4
10. $\frac{3}{5}$	**11.** x = $\frac{5}{8}$ or x = -$\frac{5}{8}$	**12.** -10
13. x = 8	**14.** 6	**15.** x = 7 or x = -7
16. x = 4 or x = -4	**17.** x = -3	**18.** $\frac{4}{5}$
19. 2	**20.** 19	**21.** 10
22. x = -5	**23.** -13	**24.** x = 6