



Math worksheet on 'Square Roots Approximating Between Integers (Level 1)'. Part of a broader unit on 'Squares and Square Roots - Advanced'

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app.mobius.academy/math/units/squares_and_square_roots_advanced/

1 Find the closest integers to the given square root

$$\bigcirc < \sqrt{2} < \bigcirc$$

| | | |
|----------|----------|----------|
| a | b | c |
| 1, 2 | 2, 3 | 3, 4 |

2 Find the closest integers to the given square root

$$\bigcirc < \sqrt{13} < \bigcirc$$

| | | | | |
|----------|----------|----------|----------|----------|
| a | b | c | d | e |
| 1, 2 | 5, 6 | 3, 4 | 4, 5 | 2, 3 |

3 Find the closest integers to the given square root

$$\bigcirc < \sqrt{71} < \bigcirc$$

| | |
|----------|----------|
| a | b |
| 7, 8 | 10, 11 |
| c | d |
| 5, 6 | 6, 7 |
| e | f |
| 9, 10 | 8, 9 |

4 Find the closest integers to the given square root

$$\bigcirc < \sqrt{106} < \bigcirc$$

| | |
|----------|----------|
| a | b |
| 9, 10 | 12, 13 |
| c | d |
| 10, 11 | 7, 8 |
| e | f |
| 11, 12 | 8, 9 |

5 Find the closest integers to the given square root

$$\bigcirc < \sqrt{43} < \bigcirc$$

| | | | | | |
|----------|----------|----------|----------|----------|----------|
| a | b | c | d | e | f |
| 3, 4 | 5, 6 | 8, 9 | 4, 5 | 6, 7 | 7, 8 |

6 Find the closest integers to the given square root

$$\bigcirc < \sqrt{72} < \bigcirc$$

| | |
|----------|----------|
| a | b |
| 10, 11 | 6, 7 |
| c | d |
| 8, 9 | 9, 10 |
| e | f |
| 5, 6 | 7, 8 |

7 Find the closest integers to the given square root

$$\bigcirc < \sqrt{89} < \bigcirc$$

| | |
|----------|----------|
| a | b |
| 11, 12 | 10, 11 |
| c | d |
| 6, 7 | 9, 10 |
| e | f |
| 7, 8 | 8, 9 |