

2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

8.3ab

1. The square root of 130 falls between which two consecutive numbers? Select two answers from the choices below.

-13	12	15	-11	-12	-15	11
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2. $\sqrt{300}$ falls between which two sets of consecutive numbers?

16 and 17	15 and 20	17 and 18	10 and 30
-10 and -30	299 and 301	-16 and -17	-17 and -18

3. The square root of 170 falls between which two consecutive whole numbers?

_____ and _____

4. Which of these best represents $\sqrt{24}$? A number between –

- A. 4 and 5
- B. 5 and 6
- C. 6 and 7
- D. 8 and 9

5. Between which two consecutive numbers does $-\sqrt{50}$ lie?

- A. -4 and -5
- B. -5 and -6
- C. -6 and -7
- D. -7 and -8

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6. What are the square roots of 121? Select two answers from the choices below.

-13

12

15

-11

-12

-15

11

7. Which best represents $\sqrt{256}$?

- A. 4 and 64
- B. 8 and 32
- C. -16 and 16
- D. -18 and 18

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