

Use the inverse relationship between raising to a power and extracting the root of a perfect square integer; for an integer that is not square, determine without a calculator the two integers between which its square root lies and explain why. 7NS2.4

28. The square root of 150 is between

- A 10 and 11.
- B 11 and 12.
- C 12 and 13.
- D 13 and 14.

29. The square of a whole number is between 1,500 and 1,600. The number must be between

- A 30 and 35.
- B 35 and 40.
- C 40 and 45.
- D 45 and 50.

30. Between which two integers is the value of  $\sqrt{61}$ ?

- A 6 and 7
- B 7 and 8
- C 8 and 9
- D 9 and 10