

## CA Grade 7 Standard 7.NS.1.4

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### MULTIPLE CHOICE

1. Which of the following is an irrational number?

A.  $\sqrt{49}$

C.  $\frac{7}{12}$

B.  $\sqrt{4}$

D.  $\sqrt{30}$

2. Which of the following is a rational number?

A.  $\sqrt{10}$

C.  $\sqrt{75}$

B.  $\sqrt{21}$

D.  $\sqrt{100}$

3. Which of the following describes an irrational number?

A. a fraction

B. a terminating fraction

C. a non-repeating, non-terminating fraction

D. a repeating fraction

4. Students were asked to write an irrational number. Ashley wrote  $2\pi$ , Bernie wrote 0.125, Claudia wrote  $-\frac{7}{8}$ , and Danielle wrote  $0.\overline{33}$ . Who wrote an irrational number?

A. Ashley

C. Claudia

B. Bernie

D. Danielle

ANS: A

PTS: 1

STA: CA 7.NS.1.4

5. Which of the following is a rational number?

A.  $\sqrt{2}$

C.  $\pi$

B.  $\frac{1}{7}$

D.  $\sqrt{33}$

6. Which of the following is an irrational number?

A.  $\frac{1}{5}$

C.  $\frac{1}{7}$

B.  $\frac{1}{6}$

D.  $\frac{1}{\pi}$

7. Which of the following is a rational number?

A.  $-2.5$

B.  $\sqrt{12}$

C.  $\sqrt{2}$

D.  $0.10100100010001\dots$

8. In the sequence  $\sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{5}$ , which term is a rational number?

A.  $\sqrt{2}$

B.  $\sqrt{3}$

C.  $\sqrt{4}$

D.  $\sqrt{5}$

9. Which of the following is an irrational number?

A.  $0.675$

B.  $0.12$

C.  $-2.782$

D.  $\sqrt{15}$

10. Which of the following is an irrational number?

A.  $3.2 \times 10^5$

B.  $8\pi$

C.  $\frac{14}{31}$

D.  $\sqrt{81}$