

Estimation and Sequence: Practice Questions Competitive Exams

1. Which of the following is not a whole number followed by its square?

- a. 1, 1
- b. 6, 36
- c. 8, 64
- d. 10, 100
- e. 11, 144

Answer: e

2. A nurse has to record her temperatures in Celsius but her thermometer reads Fahrenheit. A patient's temperature is 100.7° F. What is the temperature in $^{\circ}$ C?

- a. 32° C
- b. 36.5° C
- c. 38.2° C
- d. 213.3° C
- e. 223.7° C

Answer: c

3. Art realized that he had 2 more quarters than he had originally thought in his pocket. If all of the change in his pocket is quarters and it totals to \$8.75, how many quarters did he originally think were in his pocket?

- a. 27
- b. 29
- c. 31
- d. 33
- e. 35

Answer: d

4. There are 12 more apples than oranges in a basket of 36 apples and oranges. How many apples are in the basket?

- a. 12
- b. 15
- c. 24
- d. 28
- e. 36

Answer: c

5. Which of the following correctly identifies 4 consecutive odd integers where the sum of the middle two integers is equal to 24?

- a. 5, 7, 9, 11
- b. 7, 9, 11, 13
- c. 9, 11, 13, 15
- d. 11, 13, 15, 17
- e. 13, 15, 17, 19

Answer: c

6. What is the next number in the sequence? 6, 12, 24, 48, _____

- a. 72
- b. 96
- c. 108
- d. 112
- e. 124

Answer: b

7. Which of the following numbers could be described in the following way: An integer that is a natural, rational and whole number?

- a. 0
- b. 1

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- c. 2.33
- d. -3
- e. none of the above

Answer: b

8. What is the next number in the following pattern? 1, $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{8}$ _____

- a. $\frac{1}{10}$
- b. $\frac{1}{12}$
- c. $\frac{1}{14}$
- d. $\frac{1}{15}$
- e. $\frac{1}{16}$

Answer: e

9. Of the following units, which would be most likely to measure the amount of sugar needed in a recipe for 2 dozen cookies

- a. degrees Celsius
- b. milliliters
- c. quarts
- d. kilograms
- e. cups

Answer: e