



## Estimation and Sequence: Practice Questions Competitive Exams

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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  $100.7^{\circ}$  F. What is the temperature in  $^{\circ}$  C?

- a.  $32^{\circ}$  C
- b.  $36.5^{\circ}$  C
- c.  $38.2^{\circ}$  C
- d.  $213.3^{\circ}$  C
- e.  $223.7^{\circ}$  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
  - 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

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