UNIT 3 Using Fractions and Percentages

CSEC Multiple Choice Questions

For each of these questions, choose the option (A, B, C or D) that is TRUE.

1. What is the value of \(\frac{(5 + 2)^2}{5^2 - 2^2}\) in its simplest form?
   
   (A) \(\frac{8}{21}\)
   
   (B) \(\frac{7}{3}\)
   
   (C) \(\frac{7}{2}\)
   
   (D) \(\frac{49}{3}\)

2. What is the value of \(\left(\frac{1}{2} \times 1\frac{2}{5}\right) + \frac{20}{7}\) in its simplest form?
   
   (A) 2
   
   (B) \(\frac{7}{100}\)
   
   (C) \(\frac{1}{2}\)
   
   (D) \(\frac{49}{200}\)

3. What is the EXACT value of \(\frac{5\frac{1}{3} - \left(1\frac{1}{9} \times 3\right)}{3}\) ?
   
   (A) 0
   
   (B) 1
   
   (C) 2
   
   (D) 3

4. After a 10% discount, an article is sold for $360. The price before the discount was
   
   (A) $36
   
   (B) $324
   
   (C) $392
   
   (D) $400
5. You invest J$20 000 in a building society account which pays 4% interest each year. If the interest is added to the account at the end of each year, what is the value of the account after 2 years?

(A) J$20 800

(B) J$21 600

(C) J$21 616

(D) J$21 632
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ANSWERS

1. B
2. D
3. C
4. D
5. D