

Next-Generation ACCUPLACER Arithmetic

Section: ACCUPLACER Next Generation Arithmetic Exams • Total Questions: 10 • Format: Verified Q&A

1. The large square has area 1 and is divided into 25 squares of equal area. Which of the following represents the area of the shaded region?

- (A) 0.8
 - (B) 0.16
 - (C) 0.24
 - (D) 0.32
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2. The number of books checked out of and returned to a school library the first three days of the week are shown in the table above. If there were 445 books checked out of the library over the preceding weekend, how many books were out of the library when it closed on Wednesday evening?

- (A) 434
 - (B) 456
 - (C) 657
 - (D) 668
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3. Which of the following inequalities is correct?

- (A) $\frac{2}{3} < \frac{3}{5} < \frac{5}{7}$
 - (B) $\frac{2}{3} < \frac{5}{7} < \frac{3}{5}$
 - (C) $\frac{3}{5} < \frac{2}{3} < \frac{5}{7}$
 - (D) $\frac{3}{5} < \frac{5}{7} < \frac{2}{3}$
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4. $3(100 - 10) - (20 - 5)$ What is the value of the expression?

- (A) 245
 - (B) 255
 - (C) 265
 - (D) 275
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5. $3(1 + 7) / 2 =$

- (A) 5
 - (B) 11
 - (C) 12
 - (D) 24
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6. If $22\frac{1}{3}\%$ of a number n is 938, then n must be?

- (A) 281,400
 - (B) 42,000
 - (C) 4,960
 - (D) 4,200
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7. If 32% of n is 20.8, what is n ?

- (A) 64
 - (B) 65
 - (C) 66
 - (D) 154
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8. Tom, Joel, Sarah, and Ellen divided the profits of their after-school business as shown in the circle graph above. If Tom's share of the profits was \$492, what was Ellen's share?

- (A) \$246
 - (B) \$615
 - (C) \$738
 - (D) \$820
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9. A book is on sale for 25% off. If the original price of the book was D dollars, what is the sale price, in dollars, in terms of D ?

- (A) $D - 25$
 - (B) $7.5D$
 - (C) $0.75D$
 - (D) $0.25D$
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10. The fraction $x/24$ is equal to 0.75. What is the value of x ?

- (A) 3
 - (B) 6
 - (C) 9
 - (D) 18
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