Praxis 5003 Exam with Outline

Section: 5003 Elementary Education Mathematics Subtest Exams • **Total Questions:** 10 • **Format:** Verified Q&A

1. Which of the following questions could be answered using the information in the graph?

(A) How many pumpkins weigh 4.5 pounds?
(B) How many pumpkins weigh at least 15 pounds?
(C) How many pumpkins weigh less than 8 pounds?
(D) How many pumpkins weigh between 6 and 12 pounds?

2. Liz received some money for her birthday. On Monday, she spent half of the money on a new video game; on Tuesday, she spent a third of what was left on a shirt; and on Wednesday, she spent a fourth of what was left on a new book. If she has $15 remaining. How much money did Liz receive for her birthday?

(A) $360
(B) $180
(C) $120
(D) $60

3. The formula d = rt relates distance, rate, and time. If a given distance is tripled and its corresponding time remains the same, which of the following is equivalent to the new rate?

(A) 3dt
(B) (3d)/t
(C) t/(3d)
(D) d/(3t)

4. Which of the following operations are associative? Select ALL that apply.

(A) Addition
(B) Subtraction
(C) Multiplication
(D) Division
(E) Exponentiation

5. Based on the preceding computation, what is the value of 1085 / 12?

(A) 90

(B) 90{5/1085}

(C) 90{5/12}

(D) 90.5

---

6. What will be the coordinates of B"?

(A) (-4, 1)

(B) (-4,-1)

(C) (1, - 4)

(D) (-1,-4)

---

7. Which of the following is greatest?

(A) 245 thousandths

(B) 24 hundredths

(C) 3 tenths

(D) 2 fifths

---

8. A car travels at a constant speed of x miles per hour. Which of the following expressions gives the distance in miles, the car will travel in hours?

> *345.792*

(A) x+t

(B) t+x

(C) xt

(D) $(xt)^2$

---

9. In the number shown, how many × larger is the place value of the underlined 5 compared with the place value of the 5 with no underline?

> *345.792*

(A) 1000

(B) 5000

(C) 10000

(D) 50000

---

10. Samantha is 2 years younger than Jake. The total of their ages is 26. What are the ages of Samantha and Jake? Let S be Samantha's age and let J be Jake's age. Which of the following systems of equations can be used to solve the word problem shown?

(A) J - S = 2, S + J = 26

(B) S - 2 = J, S + J = 26

(C) S - J = 2, S + J = 26

(D) S = J - 2, S + J = 26