

NLN NEX Math

Section: NLN NEX Math Exams • Total Questions: 10 • Format: Verified Q&A

1. The graph presents the travel data for four different cars showing the distance they are from home (in miles) over time (in hours). Which car has the highest rate of speed?

- (A) A
 - (B) B
 - (C) C
 - (D) D
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2. Given that $\text{area} = \text{length} \times \text{width}$ and a rectangle's length and width are 4 cm and 6 cm, what is $\frac{1}{2}$ the area of this rectangle?

- (A) 12 cm^2
 - (B) 10 cm^2
 - (C) 24 cm^2
 - (D) 20 cm^2
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3. A person wants to download episodes of a favorite TV show to their cell phone. Each 20-minute episode will use about 0.3 Gabybytes (GB) of space. There are 9 GB of space available on the cell phone. At most, how many minutes of the show can be downloaded?

- (A) 600 minutes
 - (B) 50 minutes
 - (C) 30 minutes
 - (D) 500 minutes
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4. Which expression represents four more than a number is 12?

- (A) $x+4=12$
 - (B) $x+12=4$
 - (C) $x+8=12$
 - (D) $4x=12$
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5. The temperature was average on Wednesday. The temperature decreased from Tuesday to Wednesday. What can be inferred from the graph?

- (A) Temperature increased overall
 - (B) Temperature remained constant
 - (C) Temperature decreased overall
 - (D) Temperature fluctuated randomly
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6. At Grain House, the bulk price for the grain Amaranth is \$2.50 per pound, with a minimum purchase of 20 pounds (lbs). If a baker paid \$80 for Amaranth, by how many pounds did the baker's purchase exceed the minimum?

- (A) 12
 - (B) 40
 - (C) 24
 - (D) 32
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7. A normal saline solution is 0.9% sodium chloride. Express that percent as a decimal.

- (A) 0.09
 - (B) 9
 - (C) 0.009
 - (D) 90
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8. The graph below displays the time in which it takes Runner A and Runner B to run 3 miles. Which statement correctly interprets the slope of the data displayed?

- (A) Runner A is a faster runner because the slope of the data is 6.
 - (B) Runner A is a faster runner because the slope of the data is 7.
 - (C) Runner B is a faster runner because the slope of the data is 6.
 - (D) Runner B is a faster runner because the slope of the data is 7.
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9. The Venn diagram shows the number of people who ate each of the meals at a picnic. There were two groups of 30 people each. How many people ate only hot dogs?

- (A) 27
 - (B) 5
 - (C) 10
 - (D) 17
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10. Given that area = length x width, find the area of the shaded portion only on the following figure:

- (A) 54 m^2
- (B) 90 m^2
- (C) 36 m^2
- (D) 45 m^2