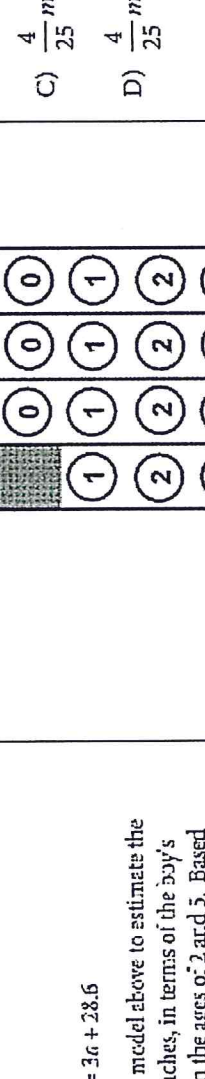


Name _____

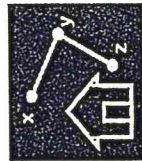
Tuesday	Wednesday	Thursday
<p>Ken is working this summer as part of a crew on a farm. He earned \$8 per hour for the first 10 hours he worked this week. Because of his performance, his crew leader raised his salary to \$10 per hour for the rest of the week. Ken saves 90% of his earnings from each week. What is the least number of hours he must work the rest of the week to save at least \$270 for the week?</p> <p>A) 38 B) 33 C) 22 D) 16</p> $h = 3a + 28.6$ <p>A pediatrician uses the model above to estimate the height h of a boy, in inches, in terms of the boy's age a, in years, between the ages of 2 and 5. Based on the model, what is the estimated increase, in inches, of a boy's height each year?</p> <p>A) 3 B) 5.7 C) 9.5 D) 14.3</p>	<p>At a lunch stand, each hamburger has 50 more calories than each order of fries. If 2 hamburgers and 3 orders of fries have a total of 1700 calories, how many calories does a hamburger have?</p> 	<p>Alan drives an average of 100 miles each week. His car can travel an average of 25 miles per gallon of gasoline. Alan would like to reduce his weekly expenditure on gasoline by \$5. Assuming gasoline costs \$4 per gallon, which equation can Alan use to determine how many fewer average miles, m, he should drive each week?</p> <p>A) $\frac{25}{4}m = 95$ B) $\frac{25}{4}m = 5$ C) $\frac{4}{25}m = 95$ D) $\frac{4}{25}m = 5$</p> <p>A landscaping company estimates the price of a job, in dollars, using the expression $60 + 12nh$, where n is the number of landscapers who will be working and h is the total number of hours the job will take using n landscapers. Which of the following is the best interpretation of the number 12 in the expression?</p> <p>A) The company charges \$12 per hour for each landscaper. B) A minimum of 12 landscapers will work on each job. C) The price of every job increases by \$12 every hour. D) Each landscaper works 12 hours a day.</p>

SAT SLOT WEEK 6 I can use problem solving strategies to set up or solve linear application problems.

Name _____

Something to consider:

Problem Solving Strategies



Draw a Picture or Diagram



Find a Pattern



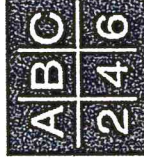
Guess, Check & Revise



Use Objects



Make an Organized List



Make a Table



Use a Number Sentence



Work Backwards



Use Logical Reasoning



Make It Simpler

Monday

While preparing to run a marathon, Amelia created a training schedule in which the distance of her longest run every week increased by a constant amount. If Amelia's training schedule requires that her longest run in week 4 is a distance of 8 miles and her longest run in week 16 is a distance of 26 miles, which of the following best describes how the distance Amelia runs changes between week 4 and week 16 of her training schedule?

- A) Amelia increases the distance of her longest run by 0.5 miles each week.
- B) Amelia increases the distance of her longest run by 2 miles each week.
- C) Amelia increases the distance of her longest run by 2 miles every 3 weeks.
- D) Amelia increases the distance of her longest run by 1.5 miles each week.

A company that makes wildlife videos purchases camera equipment for \$32,400. The equipment depreciates in value at a constant rate for 12 years, after which it is considered to have no monetary value. How much is the camera equipment worth 4 years after it is purchased?

- A) \$10,800
- B) \$16,200
- C) \$21,600
- D) \$29,700

Defend one of your answers with someone who thought differently.