

Math

Guessing

Learning Targets

1. Use the limitations of the ACT test format to improve the accuracy of guesses.
2. Apply statistically effective strategies when making a random guess.
3. Practice applying the Column Counting strategy.

Instructions

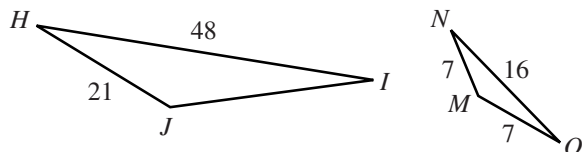
Use Guessing strategies to answer the following question.

Guessing

On the Math test, what you see is what you get. When you have to guess, use one of these strategies to improve accuracy:

1. Trust the figure. The test directions say that figures aren't *necessarily* drawn to scale, but they're pretty close.
2. Use what you've got. Your bubble sheet can double as a ruler to help you estimate measurements.

1. In the image below, $\triangle HJI$ and $\triangle NMO$ are similar triangles with the given side lengths in inches. What is the perimeter, in inches, of $\triangle HJI$?



- A. 21
- B. 42
- C. 48
- D. 69
- E. 90

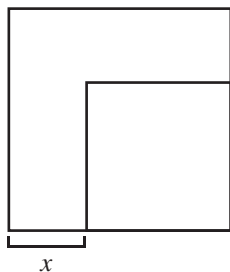
DO YOUR FIGURING HERE.

Instructions

Use Guessing strategies to answer the following question.

2. In the figure below, the area of the larger square is 100 square inches, and the area of the smaller square is 64 square inches. What is x , in inches?

DO YOUR FIGURING HERE.



- F. 2
- G. 8
- H. 10
- J. 18
- K. 36

Instructions

Use Guessing strategies to fill in the answer sheet.

Bubble Sheet Strategies

On the test, a wild guess is better than no guess at all. When you have to guess, use one of these strategies to improve accuracy:

1. Use statistics to your advantage. In the back half of the test, avoid the C/H column.
2. Column count to even out. Try to get the same number of answers for each letter option by dropping random guesses into the emptiest column.

Test 2 - Math

- | | | | | | |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1. (A) (B) (C) (D) (E) | 11. (A) (B) (C) (D) (E) | 21. (A) (B) (C) (D) (E) | 31. (A) (B) (C) (D) (E) | 41. (A) (B) (C) (D) (E) | 51. (A) (B) (C) (D) (E) |
| 2. (F) (G) (H) (J) (K) | 12. (F) (G) (H) (J) (K) | 22. (F) (G) (H) (J) (K) | 32. (F) (G) (H) (J) (K) | 42. (F) (G) (H) (J) (K) | 52. (F) (G) (H) (J) (K) |
| 3. (A) (B) (C) (D) (E) | 13. (A) (B) (C) (D) (E) | 23. (A) (B) (C) (D) (E) | 33. (A) (B) (C) (D) (E) | 43. (A) (B) (C) (D) (E) | 53. (A) (B) (C) (D) (E) |
| 4. (F) (G) (H) (J) (K) | 14. (F) (G) (H) (J) (K) | 24. (F) (G) (H) (J) (K) | 34. (F) (G) (H) (J) (K) | 44. (F) (G) (H) (J) (K) | 54. (F) (G) (H) (J) (K) |
| 5. (A) (B) (C) (D) (E) | 15. (A) (B) (C) (D) (E) | 25. (A) (B) (C) (D) (E) | 35. (A) (B) (C) (D) (E) | 45. (A) (B) (C) (D) (E) | 55. (A) (B) (C) (D) (E) |
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| 10. (F) (G) (H) (J) (K) | 20. (F) (G) (H) (J) (K) | 30. (F) (G) (H) (J) (K) | 40. (F) (G) (H) (J) (K) | 50. (F) (G) (H) (J) (K) | 60. (F) (G) (H) (J) (K) |

Instructions

Use Column Counting to fill in the remaining answers.

Bubble Sheet Strategies

On the test, a wild guess is better than no guess at all. When you have to guess, use one of these strategies to improve accuracy:

1. Use statistics to your advantage. In the back half of the test, avoid the C/H column.
2. Column count to even out. Try to get the same number of answers for each letter option by dropping random guesses into the emptiest column.

Test 2 - Math

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