

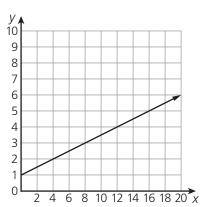
This session contains 32 multiple-choice questions. Fill in the circle for your answer to each multiple-choice question.

You may use a ruler and a protractor during this session. You may also use a calculator during this session.

Now turn the page and begin.



**9.** The graph below shows a relationship between x and y.





(A) Yes, because the line is straight.

B Yes, because the ratio between (0, 1) and (4, 2) is the same.

(C) No, because the line does not go through (0, Ø).

(D) No, because the line should go through (16, 8).

**10.** What is the value of this expression?

$$\frac{2}{3}$$
 (-48) + (-6.3)(-4.2)(-8)

(A) 243.68

**B** 179.68

(C) -179.68

**(D)** -243.68

## Session 2

This session contains six multiple-choice questions and ten constructed-response items. Fill in the circle for your answer to each multiple-choice question. Write your answer for each constructed-response item.

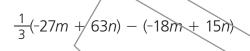
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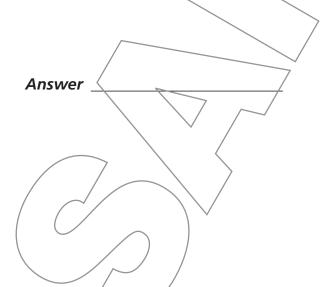
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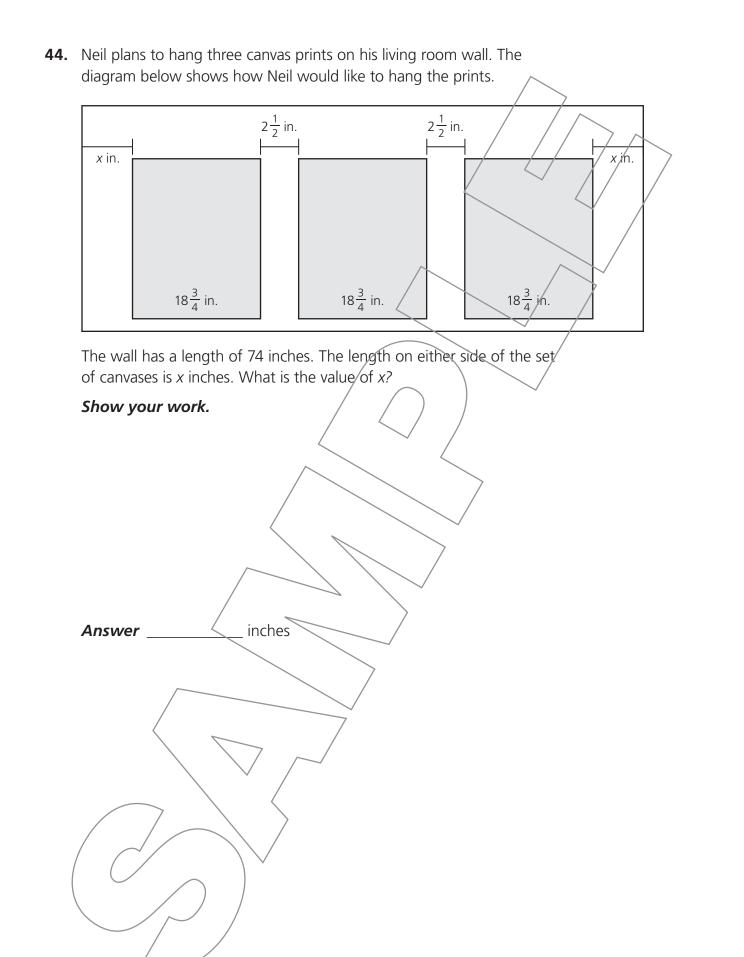
**40.** Mr. Rank makes and sells furniture. To find the price for a piece of furniture, he combines the cost of his materials and an hourly rate of \$22.50 for his labor. Then he increases that number by 125%. For a certain table, Mr. Rank used \$85.50 in materials. He spent 5 hours making the table. What was the price Mr. Rank charged for this table?



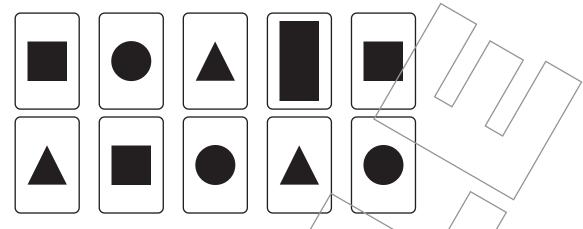
**41.** Simplify this expression to the product of a whole number and the sum of two unlike terms.







**45.** Ramon put these cards in a bag.



Ramon will choose a card at random and then replace it in the bag/75 times. How can you predict the number of times Ramon will choose a shape that has four sides?

Explain your answer.

Ramon chose a card 75 times and recorded the results below.

Result	Number of Times
Square	## ## ##
Triangle	HH HH HH HH
Rectangle	////
Circle	## ## <b>/</b> ## ## ## IIII

Use Ramon's results to find the experimental probability that the next card he chooses will be either a circle or a triangle.

Answer