3. A restaurant has $9\frac{3}{5}$ pounds of onion. The restaurant's manager ordered $4\frac{4}{5}$ more pounds of onion. The onions then were mixed and kept in 2 baskets with each basket having equal pounds of onion. How many pounds of onion does each basket contain? Write your answer as a mixed number.

Scoring Instructions:

$7\frac{1}{5}$

OR

$7\frac{2}{10}$

5. The school store is selling custom sandwiches at lunch. In addition to a bread choice, a student can select one type of meat and one type of cheese, as shown below.

SANDWICH OPTIONS

Meat	**Cheese**	**Bread**
Turkey	American	Wheat
Ham	Swiss	White
Roast Beef	Provolone	

A student claims that there are 9 possible combinations which have wheat bread and either American or provolone cheese. Is the student correct? Justify your response.

Scoring Instructions:

Rubric:

2 Work demonstrates a **clear and complete** understanding of the mathematical concepts and/or procedures required by the task. Appropriate strategy is shown with clear and complete explanations and interpretations.

1 Response demonstrates a **partial** understanding of the mathematical concepts and/or procedures. Appropriate strategy is shown, but explanation or interpretation has minor flaws.
OR
Response is incorrect because of calculation errors. Work and strategy indicate a **clear** understanding of the mathematical concepts and/or procedures required by the task.

0 Response is irrelevant, inappropriate, or not provided.

Maximum Points—2

Part A – 1 point

There are not 9 combinations.

Part B – 1 point

There are 6 outcomes that include a sandwich with American or provolone cheese on wheat: American with turkey, American with ham, American with roast beef, provolone with turkey, provolone with ham, and provolone with roast beef.

or equivalent work

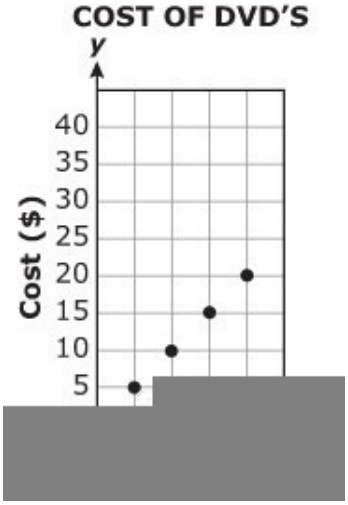
6. What is the value of $\frac{3}{5} - (-\frac{2}{7})$?

Scoring Instructions:

$\frac{31}{35}$

or equivalent response

8. The graph below represents the cost of buying several DVDs.



Explain whether or not the graph represents a proportional relationship.

Scoring Instructions:

Proportional relationship since it shows a straight line that passes through the origin

OR

proportional relationship since the slope (rate of change) of the line is constant and the line passes through the origin

OR

proportional relationship since the ratios of the ordered pairs are proportional and the line passes through the origin

OR other acceptable answers

11. Rafael divides a spinner into sections and labels it with numbers. He then spins the spinner 120 times. The spinner lands on 3 a total of 30 times. Based on this data, what is the probability of getting a 3 on the next spin of the spinner? State your answer as a percent.

Scoring Instructions:

25%

(note: percent symbol not necessary to receive full credit)

14. Rewrite the expression below as the sum of one constant and one variable term.

$2(x - 4) + 6x - 5x \cdot 3$

Scoring Instructions:

$-7x - 8$

or

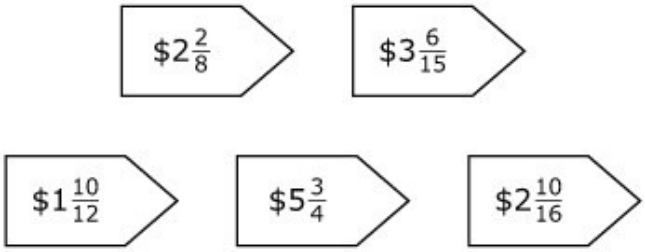
$-8 - 7x$

17. George and James each have a collection of nickels. The value of the nickels George has is $0.10 more than the value of the nickels James has. If the value of the nickels James has is $0.75, how many nickels does George have?

Scoring Instructions:

17 nickels or equivalent

20. Vince's club is holding a fundraising event. As a game, his friend made price labels using mixed numbers.



Vince wants to convert the prices to decimal form. Which price would be a repeating decimal when changed to decimal form?

Scoring Instructions:

$1\frac{10}{12}$

or equivalent

25. Emily needs to make 15 costumes for a school play. Each costume requires the same amount of fabric in yards. She requires $33\frac{3}{4}$ yards of a fabric to make all the costumes.

Use the information above to help answer the questions below.

Part A. Write an expression to find the number of yards of fabric she will use to make one costume. Calculate the result of the expression you wrote.

Part B. If she is making 4 **more** similar costumes, how many yards of fabric will she need for the total number of costumes she is making?

Part C. How many such costumes can she make from 46 yards of fabric? How many yards of fabric will be left?

Use words and/or numbers to show your work.

Scoring Instructions:

Rubric:

4 Work demonstrates a **clear and complete** understanding of the mathematical concepts and/or procedures required by the task. Appropriate strategy is shown with clear and complete explanations and interpretations.

3 Work demonstrates a **clear** understanding of the mathematical concepts and/or procedures but is not complete. Appropriate strategy is shown, but explanation or interpretation has minor flaws.

OR

Response is incorrect because of calculation errors. Work and strategy indicate a **clear** demonstration of the problem.

2 Response demonstrates a **partial** understanding of the mathematical concepts and/or procedures. Appropriate strategy is shown, but explanation or interpretation has minor flaws.

1 Response shows **minimal** understanding of the mathematical concepts and/or procedures or provides no explanation or interpretation for the solution or shows major flaws.

0 Response is irrelevant, inappropriate, or not provided.

SCORING EXEMPLAR
Maximum Points—4

Part A – 2 points

1 point

- The yards of fabric she will use to make one costume can be found by $33\frac{3}{4} \times \frac{1}{15}$.

or equivalent

1 point

- $33\frac{3}{4} \times \frac{1}{15} = \frac{135}{4} \times \frac{1}{15} = \frac{135}{60} = 2\frac{1}{4}$ yards.

or equivalent

Part B – 1 point

- As each costume needs $2\frac{1}{4}$ yards, the required amount of fabric in yards, for 19 costumes is $2\frac{1}{4} \times 19$ or $42\frac{3}{4}$ yards.

or equivalent explanation

Part C – 1 point

Answers may vary

- The number of costumes that can be made from 46 yards of fabric is $46 \div 2\frac{1}{4}$ or $20\frac{4}{9}$. So she can make 20 costumes out of 46 yards of material.

  $\frac{4}{9}$ of $2\frac{1}{4}$ yards is left.

  $\frac{4}{9} \times \frac{9}{4} = 1$ yard of material is left.

  or equivalent explanation