7. The soccer team is raising money for their uniforms for next year. Each uniform costs $38. How much money do they need to raise to pay for 23 uniforms? Show all your work.

Scoring Instructions:

2 Points
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 Point
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 Points
Response is irrelevant, inappropriate, or not provided.

Maximum Points - 2

1 point - Correct answer

874

1 point - Student work

Sample work:

$23 \times 38 = 184 + 690 = 874$

OR other acceptable work

8. Stan was measuring a storage shed in the shape of a rectangular prism to see how many 3 feet by 5 feet by 2 feet boxes it would take to fill the shed. He found that the storage shed had a measure of 960. Which unit of measurement should be used with 960?

Scoring Instructions:

cubic feet

9. Which of these signs, <, >, or =, completes the given expression?

4.75 ☐ 4.421

Scoring Instructions:
>

12. Kaley is making salads for a party. Each salad requires both pound of fruit and $\frac{1}{8}$ pound of nuts. If Kaley has 9 pounds of fruit and 6 pounds of nuts, how many salads can she make that have both fruit and nuts in them? Show your work or explain how you got your answer.

Scoring Instructions:

Scoring 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.
	Response demonstrates a **partial** understanding of the mathematical concepts and/or procedures. Appropriate strategy is shown, but explanation or interpretation has minor flaws.
1	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.

SCORING EXEMPLAR

Maximum Points—2 (1 point for correct solution, 1 point for appropriate supporting evidence)

- Fruit: $9 \div \frac{1}{6} = 9 \times 6 = 54$ salads
- Nuts: $6 \div \frac{1}{8} = 6 \times 8 = 48$ salads

Since each salad must have both fruit and nuts in it, Kaley can make 48 salads, with fruit left over.

or equivalent response

13. Keegan and his friend spent two weeks during the summer earning money by helping their neighbors with various projects. During the first week they earned a total of $76, and during the second week they earned a total of $64.

Part A. If they split the money evenly, what expression can Keegan write to find how much money he will get?

Part B. Keegan decides to buy a new baseball jersey for $27 and a hat for $15. Write an expression that can be used to find how much money he will have left after he makes the purchase.

Scoring Instructions:

Scoring 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.
	Response demonstrates a **partial** understanding of the mathematical concepts and/or procedures. Appropriate strategy is shown, but explanation or interpretation has minor flaws.
1	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.

SCORING EXEMPLAR

Maximum Points—2

Part A—1 point

- $(\$76+\$64)\div 2$

or equivalent response

Part B—1 point

- $(\$76+\$64)\div 2-(\$27+\$15)$
- or $\$70-(\$27+\$15)$

or equivalent response

18. Tony owns a pizza restaurant. He weighs each topping before putting it on a pizza so that all of the pizzas are the same. The amounts of each topping he uses for a small pizza are listed below. Tony uses twice as much of each topping for a large pizza.

- black olives: 0.18 pound
- cheese: 0.45 pound
- green pepper: 0.12 pound
- mushrooms: 0.19 pound
- onion: 0.15 pound
- pepperoni: 0.24 pound
- sausage: 0.21 pound

Part A. Tony gets an order for three large pizzas with cheese, pepperoni, and onion. What is the total weight of the toppings he will use to fill this order? Show your work or explain your answer.

Part B. On graph paper, draw a decimal model to show the amount of onion that Tony will use to fill the order in part A. Explain how the model represents the amount of onion needed for the order.

Part C. Tony gets an order for two small pizzas with every topping. How much more sausage than green pepper will Tony use to fill the order? Show your work or explain your answer.

Part D. The cheese Tony uses comes in packages that each weigh 7 pounds. Tony thinks that he can make 15 small cheese pizzas with each package of cheese. Explain whether Tony is correct or incorrect.

Place an "X" in the answer box below.

Answer the question on the Response Document provided.

Click next.

Scoring Instructions:

Teacher Instructions

Teacher Directions:

Review with students how to perform operations with decimals.

Instruct students to use words, numbers, and/or pictures to show their work.

Allow 10 to 15 minutes for this task.

Suggested Materials: Graph paper, paper, pencils

SCORING EXEMPLAR

Maximum Points—8

Part A—2 points

1 point for a correct answer

- The total weight of the toppings is 5.04 pounds.

1 point for supporting work

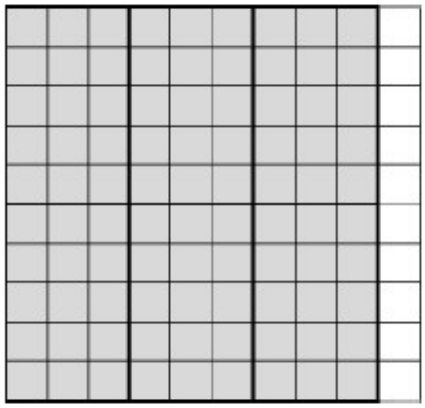
- $2 \times (0.45 + 0.24 + 0.15) \times 3 = 2 \times 0.84 \times 3 = 5.04$

or equivalent

Part B—2 points

1 point for a correct model

- $2 \times 0.15 \times 3 = 0.9$
- The student draws a decimal model showing 0.9.



or equivalent work

1 point for a correct explanation

- The rows show two divisions of 0.15 because a small pizza has 0.15 pounds of onions on it and a large pizza has twice the amount of toppings as a small pizza. Since 3 pizzas have been sold, this shading pattern is repeated 3 times to equal 0.90.

or other acceptable explanation

Part C—2 points

1 point for a correct answer

- He will use 0.18 pound more sausage than green pepper.

1 point for supporting work

- $0.21 \times 2 = 0.42$
- $0.12 \times 2 = 0.24$
- $0.42 - 0.24 = 0.18$

or equivalent

Part D—2 points

1 point for a correct conclusion

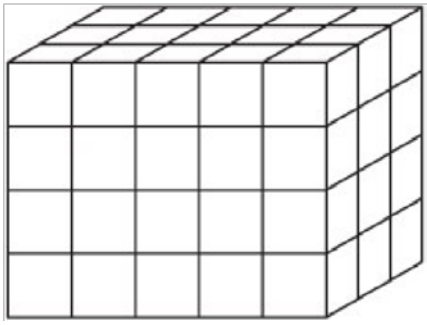
- He can make 15 small pizzas.

1 point for a correct explanation

- The total amount of cheese needed for 15 small pizzas is 6.75 pounds which is less than the 7 pounds of cheese in the package. $0.45 \times 15 = 6.75$

or other acceptable work or explanation

20. Natalia keeps her packets of flower seeds in a box. The box is shaped like the rectangular prism below. Each unit cube has a volume of 1 cubic inch.



Write an expression that can be used to find the volume, in cubic inches, of Natalia's box.

Scoring Instructions:

$5 \times 3 \times 4$

OR equivalent expression