Answer each question, showing your work and writing your explanation in the box provided:

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| --- | --- | --- | --- |
| 1. Which of the expressions below matches the picture? Select all that apply:

 x 4 3

|  |  |
| --- | --- |
|  |  |

1. 3x + 12
2. 3(x + 12)
3. 3x + 4
4. 3(x + 4)
 |  |
| 1. Mrs. Watson and Ms. Van Sant bought 900 pieces of candy to reward their students for doing well on the interim. If they have 300 students between the two of them, which statement is true?
2. The ratio of candy to students is 900 to 600.
3. The ratio of candy to students is 900 to 1200.
4. The ratio of candy to students 3 to 1.
5. The ratio of candy to students is 1 to 3.
 |  |
| 1. Dr. Sawyer is buying pizzas to reward the best 3 classes on their second interim. Papa John’s say it is charging him $180 for 36 pizzas. What is the unit rate per pizza?
2. $144 per pizza
3. $14 per pizza
4. $0.20 per pizza
5. $5 per pizza
 |  |
| 1. Using the information from problem 3, how much would it cost Dr. Sawyer to buy 20 pizzas?
2. $2,880
3. $280
4. $40
5. $100
 |  |
| 1. $\frac{1}{2}+\frac{}{}=\frac{7}{8}$
 |  |
| 1. $10÷2×3+(2^{3}-1)$=
 |  |
| 1. $5^{2}×3(10-8)$=
 |  |
| 1. You are buying t-shirts on Amazon.com that cost $5 each plus a one -time $3 shipping fee. You have $30 total to spend. Which equation below can help you figure out how many shirts you can buy?
2. 5x + 3 = 30
3. 8x = 30
4. 30 + 5 + 3 = x
5. 3x + 5 = 30
 |  |