

Module 3 Topics E and F

Topic E-Applications of Patterns and Problem Solving Including Units of 0 and 1

Topic F- Multiplication of Single-Digit Factors and Multiples of 10

Name _____ # _____ Date _____

Directions:

Circle the letter to the correct answer. Read the questions carefully. Think and work out the problem before marking your answer choice.

1) What is the product of zero and six? Choose ALL of the answers.

- A) 0
- B) 6
- C) 0 +6
- D) 0 x 6

3) There are 6 students in Claire's class. How many total fingers are there?

- A) 6
- B) 10
- C) 16
- D) 60

2) If a squid has only one eye, how many eyes are on 8 squids? Write a number sentence using the letter E to represent the total number of eyes. Solve for E.

Number Sentence: _____

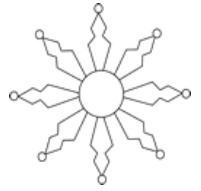
E = _____

4) What does N equal?

$$4 \div 0 = N$$

- A) 0
- B) 4
- C) 40
- D) Cannot be solved

Write a sentence explaining your answer choice.



5) James receives 5 dollars for each can or box of food he delivers to the homeless shelter. He brings 48 cans and 32 boxes to the shelter. How much money does he earn?

Write an equation that would help you solve the problem. Use a letter to represent the unknown. Then circle the correct answer.

- A) 40
- B) 80
- C) 400

6) Rachel earns \$9 an hour working at a book store. She works for 7 hours each day on Mondays and Wednesday. How much does Ezra earn each week? Choose all three answers.

- A) 1 hundred 2 tens and 6 ones
- B) $114 + 12$
- C) $62 + 63$
- D) 126

7) Sharon uses 72 centimeters of ribbon to make hair bows. She uses 24 centimeters to make a big bow. She uses the remaining ribbon for 6 small bows. How much ribbon will she use for each bow, if she uses the same amount on each?

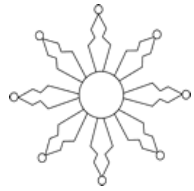
- A) 6
- B) 8
- C) 48
- D) 52

8) A box of 10 necklaces weighs 105 grams. If the box weighs 15 grams, how much does each necklace weigh?

Draw a picture to help solve the problem.

Write an expression that uses a letter to represent the unknown.

Solve for the letter. _____



Constructed Response Question

Directions: Write your answer to the questions in the spaces provided. This question has more than one part. Be sure to show all of the work you do to find your answer. Even if you cannot answer all parts, answer as many as you can. You may get points for answering part of a question. Write your answers clearly.

Mr. Perez buys 3 packs of pens. Each pack comes with 18 blue pens and 12 red pens carts. He gives 49 pens to his friends. How many pens does he have left?

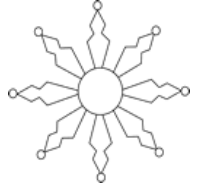
Part A: Use a blue crayon and a red crayon to draw each pack of pens and the correct number of each color in each pack.

Part B: Write and solve an equation to determine the total number of pens before he gives some away.

Part C: How many pens does Mr. Perez have left after he gives some away? Write and solve an equation.

Constructed Response Question

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A shopkeeper in the bookstore arranges the 10 boxes of books. If each box contains 9 books, how many books are there?

Part A: Draw a picture to represent how to solve the problem.

Part B: Write an equation using a letter to represent the unknown.

Part C: Solve for the unknown.

Part D: Explain how solved the problem. Use complete sentences.
