

Choose the correct answer.

1. Which shows the **best** estimate to use to find 41×78 ?
 - A $40 \times 70 = 2,800$
 - B $40 \times 80 = 3,200$
 - C $50 \times 70 = 3,500$
 - D $50 \times 80 = 4,000$

2. Pang can type 47 words each minute. At this rate, how many words will Pang type in 45 minutes?
 - A 1,880
 - B 2,080
 - C 2,115
 - D 2,209

3. Ella practiced 12 hours for a violin recital. There are 60 minutes in 1 hour. What is the total number of minutes Ella practiced for the recital?
 - A 720 minutes
 - B 620 minutes
 - C 360 minutes
 - D 72 minutes

4. The gas tank in Ava's car holds 17 gallons of gasoline. She can drive about 32 miles for each gallon. Which is the **best** estimate of the number of miles Ava can drive on a full tank of gas?
 - A about 300 miles
 - B about 360 miles
 - C about 400 miles
 - D about 600 miles

5. Stella has printed 45 pages. Each page has 18 tickets on it. She will cut apart the tickets on each page. How many tickets will Stella have in all?
 - A 405
 - B 720
 - C 770
 - D 810



Name _____

6. Star stickers cost 10 cents each. Nanci bought 80 star stickers to use in her science report. How much did she spend in all?

7. Mr. Jenkins's math students designed a game board. The game board has 16 equal rows of 26 squares. What is the total number of squares on the game board?

8. Customers bought 57 sweaters for \$24 each. What is the total amount they paid for the sweaters?

9. A total of 47 students attended a bike rally. They each rode 23 miles in the rally. What is a reasonable estimate of the number of miles the students rode altogether?

10. An old movie theater has seats on a main floor and in a balcony. The main floor has 26 rows of 29 seats in each row. The balcony has 8 rows of 23 seats in each row. How many more seats are on the main floor than in the balcony?



Choose the correct answer.

1. There are 60 people waiting for a river raft ride. Each raft holds 15 people. Which number sentence can be used to find how many rafts will be needed?
- A** $60 - 15 - 15 - 15 - 15 = 0$
- B** $60 - 15 = 45$
- C** $60 + 15 = 75$
- D** $60 - 30 - 15 = 15$
2. Students are making pizza. They put a total of 112 ounces of cheese on 7 pizzas. Each pizza has the same amount of cheese. How many ounces of cheese are on each pizza?
- A** 19 ounces
- B** 18 ounces
- C** 17 ounces
- D** 16 ounces
3. Sam filled 6 toy boxes with the same number of toys in each box. If he had 144 toys, how many toys did he put in each toy box?
- A** 150
- B** 24
- C** 22
- D** 14
4. The Distributive Property can help you divide. Which is **not** a way to break apart the dividend to find the quotient of $132 \div 6$?
- A** $(120 \div 6) + (12 \div 6)$
- B** $(108 \div 6) + (30 \div 6)$
- C** $(90 \div 6) + (42 \div 6)$
- D** $(72 \div 6) + (60 \div 6)$
5. Jim needs to divide 750 coupon books equally among 9 stores. In what place is the first digit of the quotient?
- A** ones
- B** tens
- C** hundreds
- D** thousands



6. Chad bought 8 dozen lined pads for his office. The pads were divided equally into 6 boxes. How many lined pads are in each box?

7. An office supply store packed 416 notepads equally in 4 boxes. How many notepads are in each box?

8. There are 126 seats in a meeting room. There are 9 seats in each row. There are 90 people seated, filling up full rows of seats. How many rows are empty?

9. Diego bought 488 frozen yogurt bars in 4 different flavors for a party. If he bought the same number of each flavor, how many of each flavor did he buy?

10. Hilda wants to save 825 digital photographs in an online album. Each folder of the online album can save 6 photographs. She uses division to find out how many full folders she will have. In what place is the first digit of the quotient?



Choose the correct answer.

- 1.** Cleon was skip counting. He started to count by 7s. He said 7, 14, 21, 28, 35, and 42. What number will he say next?

 - A** 47
 - B** 48
 - C** 49
 - D** 50

- 2.** Gabriel wanted to know if 17 is a prime number. Which sentence is true?

 - A** 17 is prime.
 - B** 17 is composite.
 - C** 17 is neither prime nor composite.
 - D** 17 is both prime and composite.

- 3.** Tami uses 17 connecting cubes to make a model. The model will be in the shape of a rectangle and Tami will use every cube. How many different ways could Tami make the model?

 - A** 17
 - B** 3
 - C** 2
 - D** 1

- 4.** Jeff has 65 marbles. He wants to put them into equal groups. Which statement is true?

 - A** 65 is divisible by 2.
 - B** 65 is divisible by 3.
 - C** 65 is divisible by 5.
 - D** 65 is a prime number.

- 5.** Quito is thinking about the numbers 8 and 24. Which statement about the relationship of 8 and 24 is true?

 - A** 8 is a multiple of 24.
 - B** 36 is a common multiple of 8 and 24.
 - C** 24 is a common multiple of 8 and 24.
 - D** 24 is a factor of 8.



6. Leah gives an equal number of cookies to 8 friends. Which could be the total number of cookies Leah gave to her friends?
- A 36
 - B 46
 - C 56
 - D 66
7. Samantha and Sabrina were playing a game. Samantha was counting by 8s. Sabrina was counting by 3s. They paced the counting so that they would say the first common number together. What is the first number that they said together?
- A 12
 - B 16
 - C 18
 - D 24
8. Norm has 32 books to place onto shelves. He puts the same number of books onto each shelf. Which list shows how many books could go on each shelf?
- A 2, 4, or 6
 - B 2, 4, or 8
 - C 2, 4, 6, or 8
 - D 2, 3, 4, or 8
9. Gillian has 45 plastic forks, 30 plastic spoons, and 21 plastic knives. She wants to put an equal number of utensils into bags with only one type of utensil in each bag. How many utensils can Gillian put in each bag?
- A 1
 - B 1 or 3
 - C 1, 3, or 5
 - D 1, 3, 5, or 7
10. Emily wrote a pattern starting with the number 7. The rule of Emily's pattern was to *add 8*. What are the first five numbers of Emily's pattern?
- A 7, 15, 23, 31, 39
 - B 8, 15, 22, 29, 36
 - C 15, 23, 31, 39, 47
 - D 16, 23, 30, 37, 44



Choose the correct answer.

- 1.** Charles was skip counting at the Math Club meeting. He started to count by 8s. He said 8, 16, 24, 32, 40, and 48. What number will he say next?

 - A** 54
 - B** 56
 - C** 60
 - D** 64

- 2.** Donna was helping her friend Dan with his homework. Dan asked Donna if the number 11 is a prime number or a composite number. How should Donna answer Dan's question?

 - A** 11 is prime.
 - B** 11 is composite.
 - C** 11 is neither prime nor composite.
 - D** 11 is both prime and composite.

- 3.** Elaine uses 19 connecting cubes to make a model of a house. The house model is in the shape of a rectangle and is one cube high. How many different ways could Elaine make the model of the house?

 - A** 1
 - B** 2
 - C** 4
 - D** 19

- 4.** In a math game, Lee reads four statements about the number 39. She has to pick the true statement to win the game. Which statement should Lee choose?

 - A** 39 is divisible by 2.
 - B** 39 is divisible by 3.
 - C** 39 is divisible by 5.
 - D** 39 is a prime number.

- 5.** Mr. Jacques wrote a bonus problem on the board. If Gina correctly answers, she gets extra time to read. The problem is to write a statement that correctly relates the numbers 9 and 18. Which should Gina write?

 - A** 18 is a common multiple of 9 and 18.
 - B** 27 is a common multiple of 9 and 18.
 - C** 9 is a multiple of 18.
 - D** 18 is a factor of 9.

6. Juanita wants to give bags of stickers to her friends. She wants to give the same number of stickers to each friend. She's not sure if she needs 4 bags or 6 bags of stickers. How many stickers could she buy so there are no stickers left over?

7. Violet and Victor were playing a game. Violet was counting by 8s. Victor was counting by 5s. They paced the counting so that they would say the first common number together. What is the first number that they said together?

8. Kisha helped her teacher put away 36 books in boxes. She had to put the same number of books in each box to make the boxes easy to carry. How many books could be in each box?

9. Kristin has 36 purple beads, 12 clear beads, and 24 yellow beads. She wants to put an equal number of beads on string to make necklaces, with only one color of bead on each string. How many beads can Kristin put on each string?

10. Kyle used chalk to write numbers on the chairs for his party. He marked the number 9 on the first seat. His rule was *add 6*. What numbers did he write on the first six chairs?

