Name _____

Chapter 5 Review/Test

1. List all the factors of the number.

14: _____

2. Select the numbers that have a factor of 5. Mark all that apply.

(A) 15
(B) 3
(C) 45
(D) 5
(E) 50
(F) 31

3. Jackson was making a poster for his room. He arranged 50 trading cards in the shape of a rectangle on the poster. For 3a–3e, choose Yes or No to tell whether a possible arrangement of cards is shown.

3a.	5 rows of 10 cards	○ Yes	○ No
3b.	7 rows of 8 cards	○ Yes	○ No
3c.	25 rows of 2 cards	○ Yes	○ No
3d.	50 rows of 1 card	○ Yes	○ No
3e.	45 rows of 5 cards	○ Yes	○ No

4. List all the factor pairs in the table.

Factors of 48	
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____
_____ × _____ = _____	_____, _____

GO DIGITAL Assessment Options
Chapter Test

5. Classify the numbers. Some numbers may belong in more than one box.

54	72	84	90	96

Divisible by 5 and 9	Divisible by 6 and 9	Divisible by 2 and 6

6. James works in a flower shop. He will put 36 tulips in vases for a wedding. He must use the same number of tulips in each vase. The number of tulips in each vase must be greater than 1 and less than 10. How many tulips could be in each vase?

_____ tulips

7. Brady has a card collection with 64 basketball cards, 32 football cards, and 24 baseball cards. He wants to arrange the cards in equal piles, with only one type of card in each pile. How many cards can he put in each pile? Mark all that apply.

Ⓐ 1 Ⓑ 2 Ⓒ 3 Ⓓ 4 Ⓔ 8 Ⓕ 32

Personal Math Trainer

8. THINK SMARTER+ The Garden Club is designing a garden with 24 cosmos, 32 pansies, and 36 marigolds. Each row will have only one type of plant in each row. Ben says he can put 6 plants in each row. He listed the common factors of 24, 32, and 36 below to support his reasoning.

24: 1, 2, 3, 4, 6, 8, 12, 24

32: 1, 2, 4, 6, 9, 16, 32

36: 1, 2, 3, 4, 6, 8, 12, 18, 36

Is he correct? Explain your answer. If his reasoning is incorrect, explain how he should have found the answer.

Name _____

9. The number of pieces of art at a museum is shown in the table.

Art	
Type of Art	**Number of Pieces**
Oil paintings	30
Photographs	24
Sketches	21

Part A

The museum is hosting a show for July that features the oil paintings by different artists. All artists show the same number of paintings and each will show more than 1 painting. How many artists could be featured in the show?

_____ artists

Part B

The museum wants to display all the art pieces in rows. Each row has the same number of pieces and the same type of pieces. How many pieces could be in each row? Explain how you found your answer.

10. 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?

_____

11. Jill wrote the number 40. If her rule is *add 7*, what is the fourth number in Jill's pattern? How can you check your answer?

12. For numbers 12a–12e, select True or False for each statement.

12a.	The number 36 is a multiple of 9.	○ True	○ False
12b.	The number 3 is a multiple of 9.	○ True	○ False
12c.	The number 54 is a multiple of 9.	○ True	○ False
12d.	The number 3 is a factor of 9.	○ True	○ False
12e.	The number 27 is a factor of 9.	○ True	○ False

13. What multiple of 7 is also a factor of 7?

_____

14. Manny makes dinner using 1 box of pasta and 1 jar of sauce. If pasta is sold in packages of 6 boxes and sauce is sold in packages of 3 jars, what is the least number of dinners that Manny can make without any supplies leftover?

_____ dinners

15. Serena has several packages of raisins. Each package contains 3 boxes of raisins. Which could be the number of boxes of raisins Serena has? Mark all that apply.

Ⓐ 9 Ⓑ 18 Ⓒ 23 Ⓓ 27 Ⓔ 32

16. Choose the words that make the sentence true.

The number 7 is [prime / composite] because it has [exactly / more than] two factors.

Name _____

17. Winnie wrote the following riddle: I am a number between 60 and 100. My ones digit is two less than my tens digit. I am a prime number.

Part A

What number does Winnie's riddle describe? Explain.

Part B

Winnie's friend Marco guessed that her riddle was about the number 79. Why can't 79 be the answer to Winnie's riddle? Explain.

18. Classify the numbers as prime or composite.

Prime	Composite

37 65 71 82

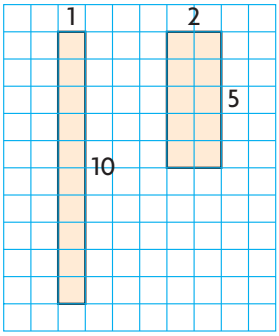
19. GO DEEPER Erica knits 18 squares on Monday. She knits 7 more squares each day from Tuesday through Thursday. How many squares does Erica knit on Friday?

_____ squares

20. Use the rule to write the first five terms of the pattern.

Rule: Add 10, subtract 5 First term: 11

21. Elina had 10 tiles to arrange in a rectangular design. She drew a model of the rectangles she could make with the ten tiles.



Part A

How does Elina's drawing show that the number 10 is a composite number?

Part B

Suppose Elina used 15 tiles to make the rectangular design. How many different rectangles could she make with the 15 tiles? Write a list or draw a picture to show the number and dimensions of the rectangles she could make.

Part C

Elina's friend Luke said that he could make more rectangles with 24 tiles than with Elina's 10 tiles. Do you agree with Luke? Explain.