

TEST NAME: **Brain Breakfast Division & Multiplication**  
TEST ID: **3214147**  
GRADE: **03 - Third Grade**  
SUBJECT: **Mathematics**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_  
Class: \_\_\_\_\_  
Date: \_\_\_\_\_

1.  $7 \times 5 = \square$

- A. 5
- B. 7
- C. 12
- D. 35

2. Which of the following is equal to  $4 \times 1$ ?

- A.  $2 \times 2$
- B.  $2 \times 3$
- C.  $3 \times 3$
- D.  $3 \times 4$

3. Which number goes in the box to make the number sentence true?

$$3 \times \square = 15$$

- A. 5
- B. 12
- C. 18
- D. 45

4.  $7 \times 5 =$

- A. 12
- B. 22
- C. 35
- D. 45

5. Which number sentence is related to  $4 \times 24 = 96$ ?

- A.  $96 \div 24 = 4$
- B.  $24 \div 4 = 6$
- C.  $96 \times 4 = 384$
- D.  $24 \times 96 = 2,304$

6.  $54 \div 9 =$

- A. 4
- B. 5
- C. 6
- D. 7

7. Which number goes in the  $\square$  to make the number sentence true?

$$5 \times \square = 20$$

- A. 4
- B. 15
- C. 25
- D. 100

8. What is the product  $8 \times 6$ ?

- A. 40
- B. 42
- C. 48
- D. 56

9.  $32 \div 8 =$

- A. 4
- B. 5
- C. 24
- D. 40

10. Which multiplication fact has an answer of 48?

- A.  $4 \times 8$
- B.  $6 \times 9$
- C.  $7 \times 7$
- D.  $8 \times 6$

11. If ,  $64 \div \square = \square$ , which number makes the equation true?

- A 6
- B 7
- C 8
- D 9

12. What is  $5 \times 5$ ?

- A 15
- B 20
- C 25
- D 30

13.  $42 \div 6 =$

- A 6
- B 7
- C 8
- D 9

14. Lara wrote the number sentence  $12 \times 7 = 84$ . Which of these is in the same fact family?

- A  $84 \times 7 = 588$
- B  $588 \div 7 = 84$
- C  $84 \div 7 = 12$
- D  $84 \times 12 = 1008$

15.  $8 \times 7 =$

- A 35
- B 48
- C 54
- D 56

16. A true number sentence is shown below.

$$\square \times 5 = 45$$

Which number goes in the  $\square$ ?

- A. 4
- B. 8
- C. 9
- D. 40

17. What is  $8 \times 8$ ?

- A. 16
- B. 64
- C. 72
- D. 88

18. What is  $6 \times 6$ ?

- A. 6
- B. 12
- C. 24
- D. 36

19. What number sentence shows an inverse relationship of  $18 \div 3 = 6$ ?

- A.  $3 \times 18 = 54$
- B.  $6 \times 3 = 18$
- C.  $6 \div 3 = 2$
- D.  $18 \div 6 = 3$

20. Barry wrote the following equations:  $3 \times 9 = 27$ ,  $9 \times 3 = 27$ ,  $27 \div 3 = 9$

Which equation goes with his set?

- A.  $27 \div 9 = 3$
- B.  $27 - 9 = 18$
- C.  $27 + 9 = 36$
- D.  $27 \times 9 = 243$

21. Scott wrote the following division problem.

$$54 \div x = 9$$

Which equation can Scott use to check his work?

- A.  $x \div 9 = 54$
- B.  $54 + 9 = x$
- C.  $9 \times x = 54$
- D.  $54 - x = 9$

22. Which number sentence belongs in the fact family below?

$36 \div 4 = 9$
$36 \div 9 = 4$
$4 \times 9 = 36$
_____

- A.  $9 \times 4 = 36$
- B.  $9 + 4 = 13$
- C.  $36 - 9 = 27$
- D.  $144 \div 36 = 4$

23. Which number goes in the box to make the number sentence true?

$$4 \times \square = 28$$

- A. 6
- B. 7
- C. 8
- D. 9

24. Which value can be used in the box to make the equation true?

$$4 \div \square = 4$$

- A. 16
- B. 4
- C. 1
- D. 0

25. What number sentence has an inverse relationship with  $6 \times 12 = 72$  ?
- A.  $6 \times 72 = 432$
  - B.  $12 \times 72 = 864$
  - C.  $12 \div 6 = 2$
  - D.  $72 \div 6 = 12$
26. What number sentence shows an inverse relationship of  $88 \div 2 = 44$  ?
- A.  $44 \times 2 = 88$
  - B.  $44 \div 2 = 22$
  - C.  $88 \div 44 = 2$
  - D.  $88 \times 44 = 3872$
27. Barry multiplied 3 and 9. Which number sentence could Barry use to check his answer?
- A.  $12 \div 3 = \square$
  - B.  $12 - 3 = \square$
  - C.  $27 \div 3 = \square$
  - D.  $27 - 3 = \square$
28. For which equation would the number 6 in the box make the equation true?
- A.  $\square \div 2 = 8$
  - B.  $24 = \square \times 8$
  - C.  $\square = 56 \div 7$
  - D.  $9 \times \square = 54$
29. If  $8 \times 7 = 56$ , what does  $56 \div 7$  equal?
- A. 6
  - B. 7
  - C. 8
  - D. 9

30. In the equation  $4 = \square \div 1$ , what number belongs in the  $\square$ ?

- A. 1
- B. 3
- C. 4
- D. 5

31. Chloe wants to solve  $7 \times \square = 56$ . What number belongs in the  $\square$ ?

- A. 7
- B. 8
- C. 49
- D. 41

32. What is  $4 \times 7$ ?

- A. 11
- B. 21
- C. 28
- D. 32

33. Sheree has 30 sticks of gum. There are 5 sticks in each pack. The equation below can be used to find out how many packs of gum she has.

$$5 \times \square = 30$$

How many packs of gum does Sheree have?

- A. 4
- B. 5
- C. 6
- D. 7

34. What number sentence shows an inverse relationship of  $7 \times 6 = 42$ ?

- A.  $42 + 7 = \square$
- B.  $42 - 7 = \square$
- C.  $42 \times 7 = \square$
- D.  $42 \div 7 = \square$



35. Hanna wrote the following fact family.

$$\begin{aligned}5 \times 6 &= 30 \\6 \times 5 &= 30 \\30 \div 5 &= 6\end{aligned}$$

What is the LAST equation that belongs with the fact family?

- A.  $30 + 6 = 36$
- B.  $30 - 6 = 24$
- C.  $30 \times 6 = 180$
- D.  $30 \div 6 = 5$

36. Ms. Green tells her class the answer to a multiplication problem is 42. Which of the following could be the multiplication problem?

- A.  $6 \times 7$
- B.  $7 \times 5$
- C.  $8 \times 6$
- D.  $9 \times 5$

37. Solve the equation  $16 = \square \times \square$ . What number that goes inside both  $\square$ .

- A. 0
- B. 2
- C. 4
- D. 8

38. What number makes the equation below true?

$$\square \div 4 = 9$$

- A. 5
- B. 13
- C. 23
- D. 36

39. Which number sentence has an inverse relationship with  $3 \times 15 = 45$ ?

- A.  $3 \times 45 = 135$
- B.  $15 \times 45 = 675$
- C.  $15 \div 3 = 5$
- D.  $45 \div 3 = 15$

40.  $21 \div 7 =$

- A. 3
- B. 14
- C. 28
- D. 147

41. Matthew has 3 bags. Each bag has 7 marbles. The equation below can be used to find the number of marbles he has all together.

$$? = 3 \times 7$$

How many marbles does Matthew have all together?

- A. 4
- B. 10
- C. 18
- D. 21

42. Which number goes in the box to make the number sentence true?

$$36 = \square \times 4$$

- A. 40
- B. 32
- C. 10
- D. 9

43. What is the product of 3 and 4?

- A. 1
- B. 7
- C. 12
- D. 34

44. What is the product of 2 and 5?

- A. 3
- B. 7
- C. 10
- D. 25

45. Solve the equation  $4 \times 8 = \square$ . What number that belongs in the  $\square$ .

- A. 24
- B. 31
- C. 32
- D. 48

46. Which sentence has the same product as  $2 \times 4 = \square$ ?

- A.  $24 \div 8 = \square$
- B.  $36 \div 6 = \square$
- C.  $56 \div 7 = \square$
- D.  $81 \div 9 = \square$

47. Jose wrote part of a fact family.

$$4 \times 8 = 32$$

$$8 \times 4 = 32$$

$$32 \div 8 = 4$$

Which equation will complete the fact family?

- A.  $32 + 4 = 36$
- B.  $32 - 4 = 28$
- C.  $32 \times 4 = 128$
- D.  $32 \div 4 = 8$

48. Elliot's class has 24 students. At recess, the class makes 3 teams. Each team has 8 students. Which multiplication sentence shows this relationship?

- A.  $8 \times 3 = 24$
- B.  $6 \times 4 = 24$
- C.  $3 \times 6 = 18$
- D.  $8 \times 4 = 32$

49. Which replacement set has the solution to the equation?

$$7 \times 8 = \square$$

- A. {55, 56, 57}
- B. {49, 50, 51}
- C. {64, 65, 66}
- D. {72, 73, 74}

50. Which number goes in the  $\square$  to make the number sentence true?

$$\square \times 4 = 24$$

- A. 5
- B. 6
- C. 20
- D. 28