



Colegio Nourish

2020 - 2021

December Exam

3rd Grade

Math

Name: _____ List # _____

Date: _____ Teacher: Alejandra Cárdenas

I. Use fact families to complete equations.

1. $42 \div 7 = \underline{\hspace{2cm}}$

2. $6 \times \underline{\hspace{2cm}} = 18$

3. $9 \times \underline{\hspace{2cm}} = 72$

$7 \times 6 = \underline{\hspace{2cm}}$

$18 \div 6 = \underline{\hspace{2cm}}$

$72 \div 9 = \underline{\hspace{2cm}}$

II. Review the multiplications, then choose even or odd.

4. $6 \times 4 = ?$

even

odd

5. $9 \times 1 = ?$

even

odd

6. $8 \times 7 = ?$

even

odd

III. Use multiplication and division to complete the fact family.

7. $54 \div 9 = \underline{\hspace{2cm}}$

8. $36 \div 6 = \underline{\hspace{2cm}}$

9. $40 \div 5 = \underline{\hspace{2cm}}$

$9 \times \underline{\hspace{2cm}} = 54$

$6 \times \underline{\hspace{2cm}} = 36$

$5 \times \underline{\hspace{2cm}} = 40$

$54 \div \underline{\hspace{2cm}} = 9$

$40 \div \underline{\hspace{2cm}} = 5$

$\underline{\hspace{2cm}} \times 9 = 54$

$\underline{\hspace{2cm}} \times 5 = 40$

IV. Write and solve an equation that represents the problem.

10. Sasha has 21 dimes. She puts them in stacks with the same number of dimes in each stack. In all, she has 3 stacks. How many dimes are in each stack? Use x to represent the number of dimes in each stack.

11. There were some sheep in a barnyard. Each sheep had 4 legs. There were 24 legs in the barnyard. How many sheep were in the barnyard? Use x to represent the number of sheep in the barnyard.

12. There were 6 lady bugs on a leaf. Each ladybug had the same number of spots. There were 36 spots. How many spots were on each ladybug? Use x to represent the number of spots on each ladybug.

V. Read the problem and answer the questions.

Four students went bowling. They bowled 2 games each. The cost was \$5 per game. How much money did the students spend on bowling? Explain.

13. Tell what you know. Then explain what you need to find first to solve the problem.

14. Tell which operations you will see.

VI. Write the related multiplication fact that can be used to complete each division fact. Then find the quotient

15. $54 \div 9 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

16. $64 \div 8 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

17. $36 \div 9 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

18. $56 \div 8 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

19. $72 \div 8 = \underline{\hspace{2cm}}$ $\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

VII. Read and answer.

20. Which of the following is the missing number in $21 \div ? = 7$

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

a) 1

b) 3

c) 7

d) 9

VIII. Find the missing factors and products.

21.

×			9
2	12		
			54
3	18	9	
			45

22.

×		5	
2			
		25	
6	48		42
		45	

23.

×			9
4	12		
			54
3		6	
			72

IX. Answer the next equations.

24. $9 \times 3 =$ _____

25. $9 \times 7 =$ _____

26. $9 \times 4 =$ _____

27. $8 \times 6 =$ _____

28. $8 \times 3 =$ _____

29. $9 \times 9 =$ _____

30. $10 \times 9 =$ _____