Name _____

Lesson 22
COMMON CORE STANDARD CC.3.OA.5
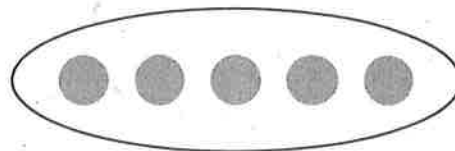Lesson Objective: Divide using the rules for 1 and 0.

Algebra • Division Rules for 1 and 0

Division rules can help you understand how to divide with 1 and 0.

Rule A: Any number divided by 1 equals that number.

$5 \div 1 = 5$ or $1\overline{)5}$ with quotient 5

One group of 5

Rule B: Any number (except 0) divided by itself equals 1.

$5 \div 5 = 1$ or $5\overline{)5}$ with quotient 1

Five groups of 1

Rule C: Zero divided by any number (except 0) equals 0.

$0 \div 5 = 0$ or $5\overline{)0}$ with quotient 0

Math HW
Return by
2/9/17

Five groups of 0

Rule D: You cannot divide by 0.

Find the quotient.

1. $4 \div 1 =$ _____   2. $2 \div 2 =$ _____   3. $8 \div 1 =$ _____   4. $7 \div 7 =$ _____

5. $0 \div 8 =$ _____   6. $0 \div 9 =$ _____   7. $4 \div 4 =$ _____   8. $6 \div 1 =$ _____

9. $6 \div 6 =$ _____   10. $0 \div 4 =$ _____   11. $0 \div 2 =$ _____   12. $3 \div 1 =$ _____

Division Rules for 1 and 0

Find the quotient.

1. $3 \div 1 = \underline{\ 3\ }$ 2. $8 \div 8 = \underline{\quad}$ 3. $\underline{\quad} = 0 \div 6$ 4. $2 \div 2 = \underline{\quad}$

5. $\underline{\quad} = 9 \div 1$ 6. $0 \div 2 = \underline{\quad}$ 7. $0 \div 3 = \underline{\quad}$ 8. $\underline{\quad} = 0 \div 4$

9. $7\overline{)7}$ 10. $1\overline{)6}$ 11. $9\overline{)0}$ 12. $1\overline{)5}$

13. $1\overline{)0}$ 14. $4\overline{)4}$ 15. $1\overline{)10}$ 16. $2\overline{)2}$

Problem Solving REAL WORLD

17. There are no horses in the stables. There are 3 stables in all. How many horses are in each stable?

_____

18. Jon has 6 kites. He and his friends will each fly 1 kite. How many people in all will fly a kite?

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