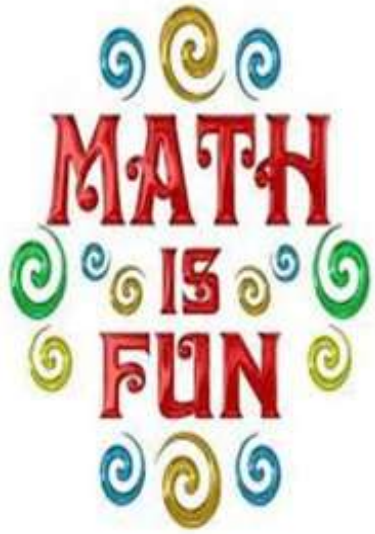


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Grade3 UNIT 9 Lesson 4



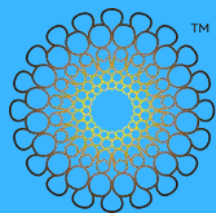
Unit 9

Lesson 4

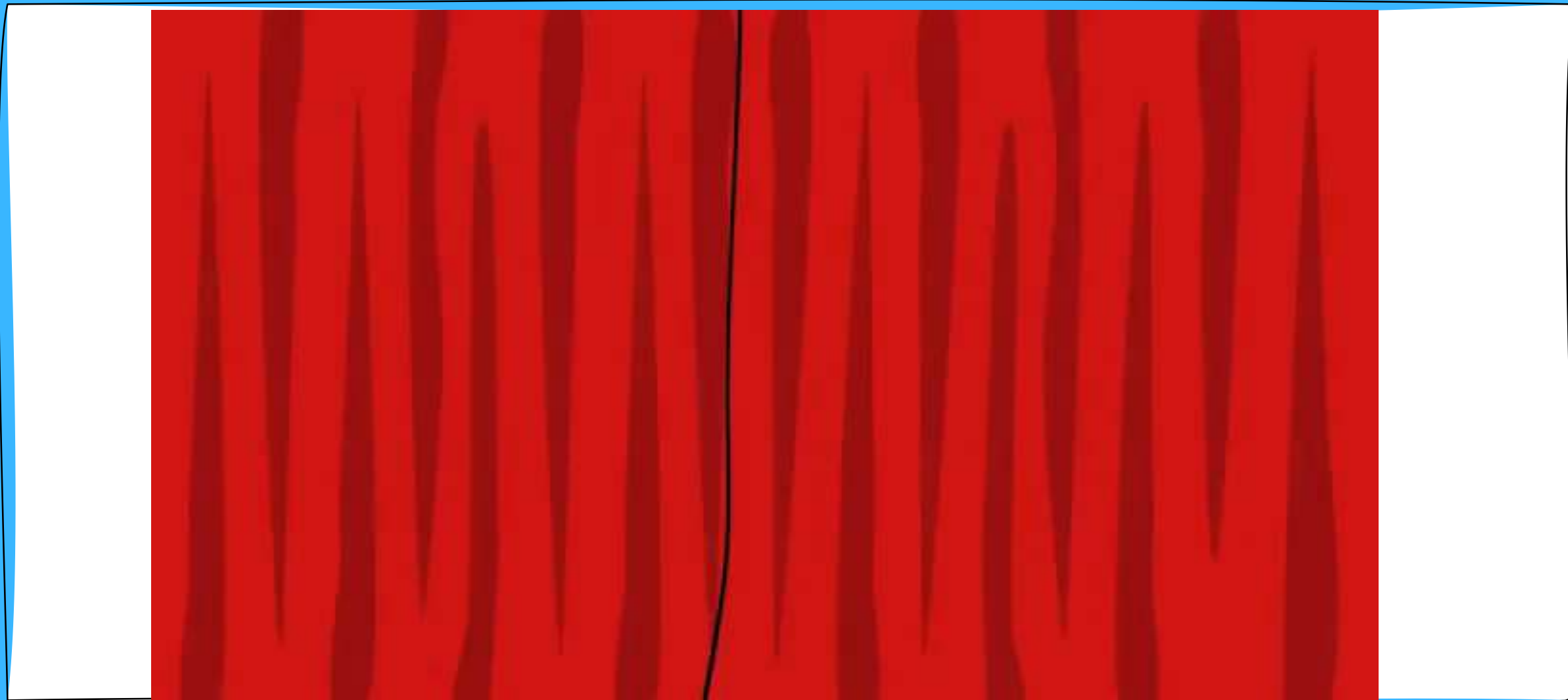
**Understand division
with 0 and 1**

Pages 85 - 88





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Understand division
with 0 and 1

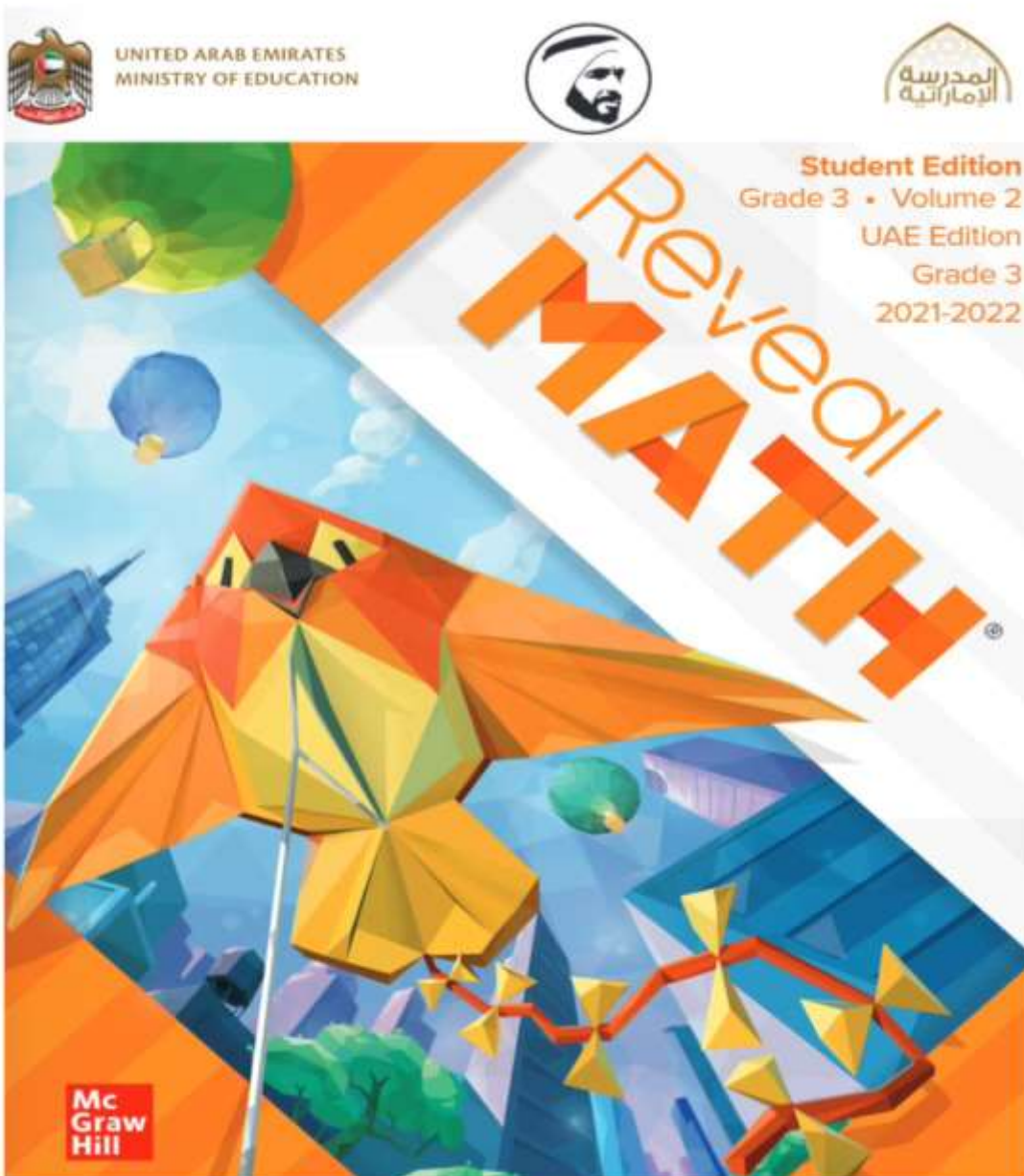
lesson objectives:

We Are Learning To:

I can use facts and patterns to show division with 0 and 1.

vocabulary...

Dividend, Divisor and Quotient



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Unit 9
Lesson 3

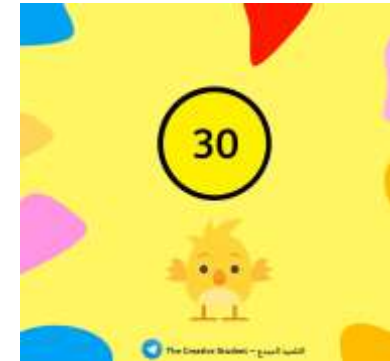
Daily Basic Fact Question



Find the answer mentally

$$8 \times 3 = \dots\dots\dots 24$$

$$6 \times 6 = \dots\dots\dots 36$$



Send Your answer on the Chat Box





Understand Division with 1 and 0

Learning Outcome

Learning Targets

- I can use patterns and rules to recall division facts with 1 and 0.
- I can describe patterns and rules to recall division facts with 1 and 0.

Division Vocabulary

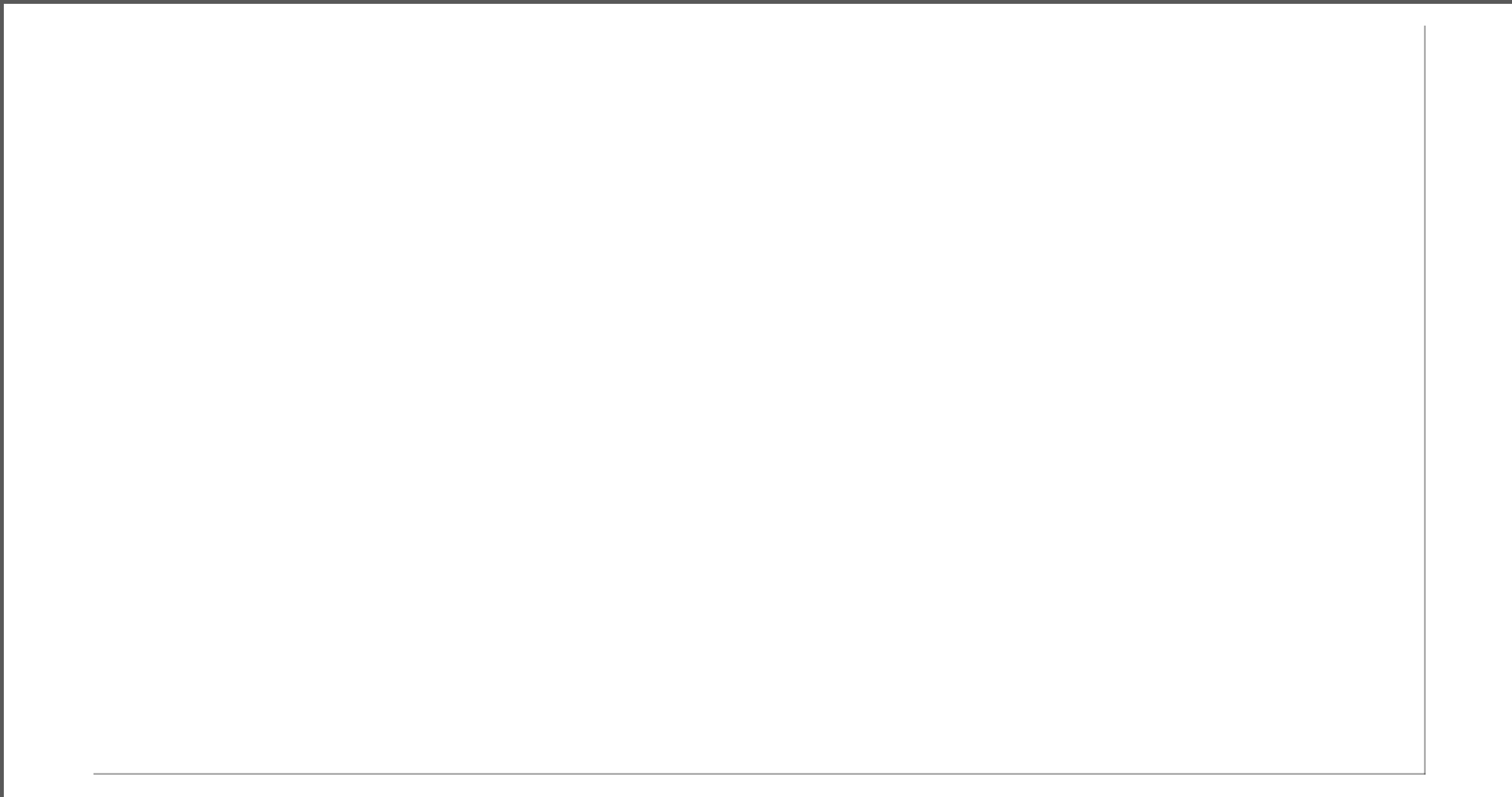
dividend

divisor

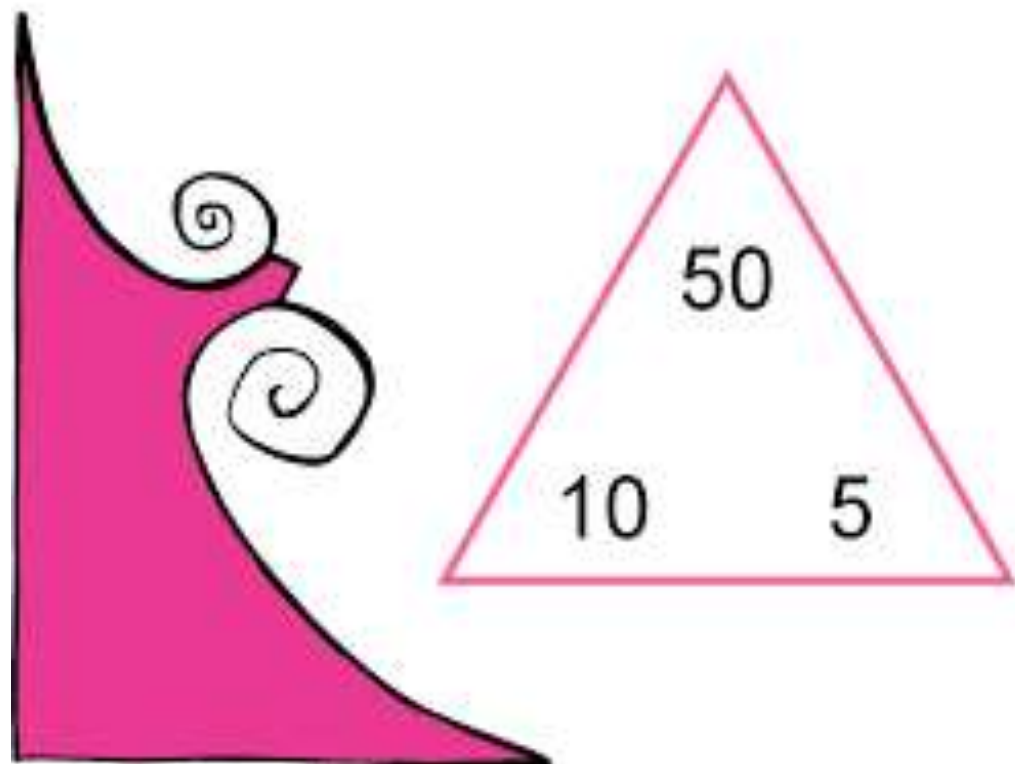
quotient



$$20 \div 4 = 5$$



Review



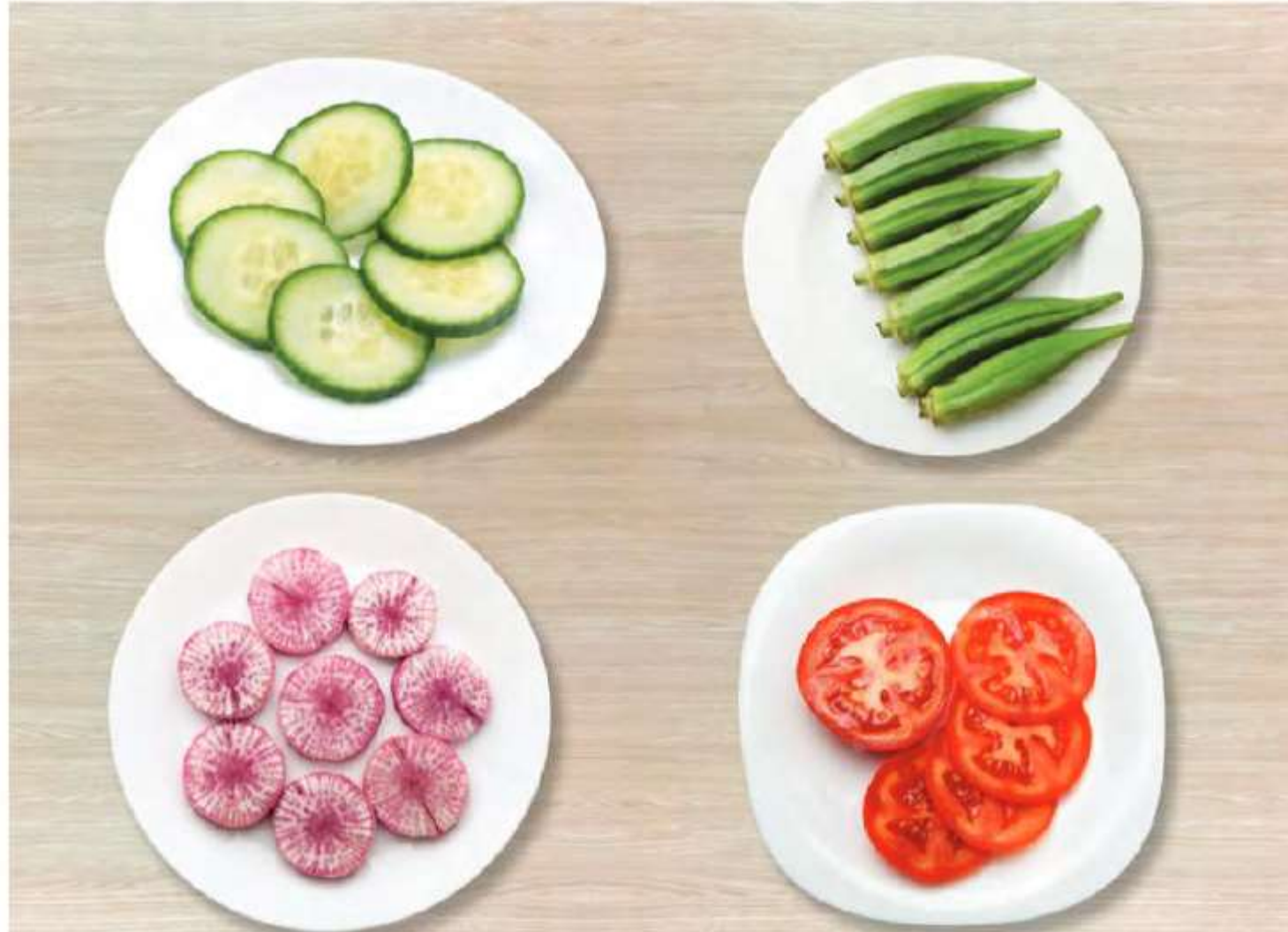
$$50 \div 5 = 10$$

$$50 \div 10 = 5$$

$$5 \times 10 = 50$$

$$10 \times 5 = 50$$

How are they the same?
How are they different?



Work Together

How can you complete each fact, if possible? Explain your thinking.

$$5 \div 1 = ?$$

$$5 \times 1 = 5$$

$$5 \div 1 = 5$$

$$0 \div 8 = ?$$

$$0 \times 8 = 0$$

$$0 \div 8 = 0$$

$$7 \div 7 = ?$$

$$7 \times 1 = 7$$

$$7 \div 7 = 1$$

On My Own



Name _____

What number makes the statement true?

1. When dividing 0 by a nonzero number, the quotient always .
2. When the dividend and the divisor are the same nonzero number, the quotient is always .
3. It is not possible to divide a number by .
4. When the divisor is , the quotient is the same as the dividend.

What number makes the equation true?

Write a multiplication equation to help you.

Cross out any equation that cannot be solved.

5. $7 \div 7 =$ 1

$7 \times 1 = 7$

6. ~~\times~~ $= 8 \div 0$

7. $10 = 10 \div$ 1

$10 \times 1 = 10$

8. $8 \div 1 =$ 8

$8 \times 1 = 8$

9. ~~\times~~ $= 5 \div 0$

10. 0 $\div 6 = 0$

$6 \times 0 = 0$

11. 1 $= 9 \div 9$

$9 \times 1 = 9$

12. 0 $= 0 \div 10$

$10 \times 0 = 0$

- 13.** There are 5 erasers, 5 pencils, and 10 pens to divide equally among 5 bags. How many of each item are in each bag?
Show your work.

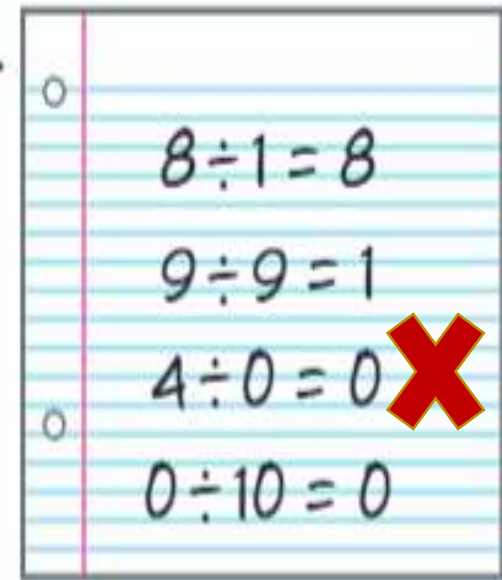
$$5 \div 5 = 1, 10 \div 5 = 2$$

There are 1 eraser, 1 pencil and 2 pens in each bag

14. Error Analysis Which product is incorrect? Explain.

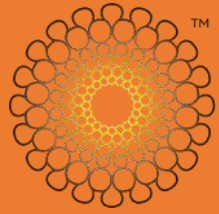
$4 \div 0 = 0$ is incorrect

You can not divide by 0



15. Extend Your Thinking Eli checks out some books from the library. He reads 1 book per day. How many days will it take Eli to read all his books? Explain.

The number of days is the same as the number of books



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Thank you. I hope you had fun.

See next week!!