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Class welcome

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Daily Math routine

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Real Word Problem

Differentiation

Plenary + HOT question

Enrichment activity

EXPO 2020 DUBAI UAE

Welcome to Math's Class Grade 3

My Calendar

Day	Date	Month	Year
	3 0		2021

Today the weather is...

Date

3	2	1
6	5	4
9	8	7
3	2	1
	0	

weather
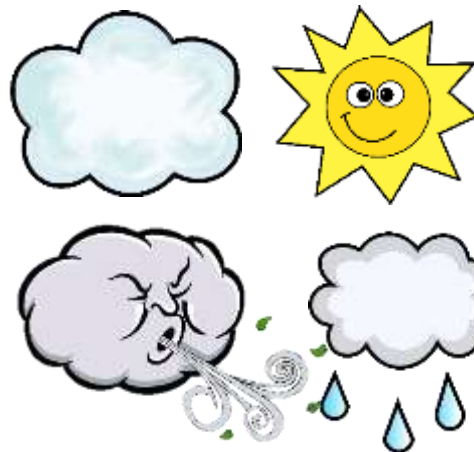
Sunday	Thursday
Monday	Friday
Tuesday	Saturday
Wednesday	

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Student Edition
Grade 3 • Volume 2
UAE Edition
Grade 3
2021-2022

Reveal
MATH

Mc
Graw
Hill

Be Curious

What do you notice?
What do you wonder?

Math is... Mindset
What do you do to stay
focused on your work?
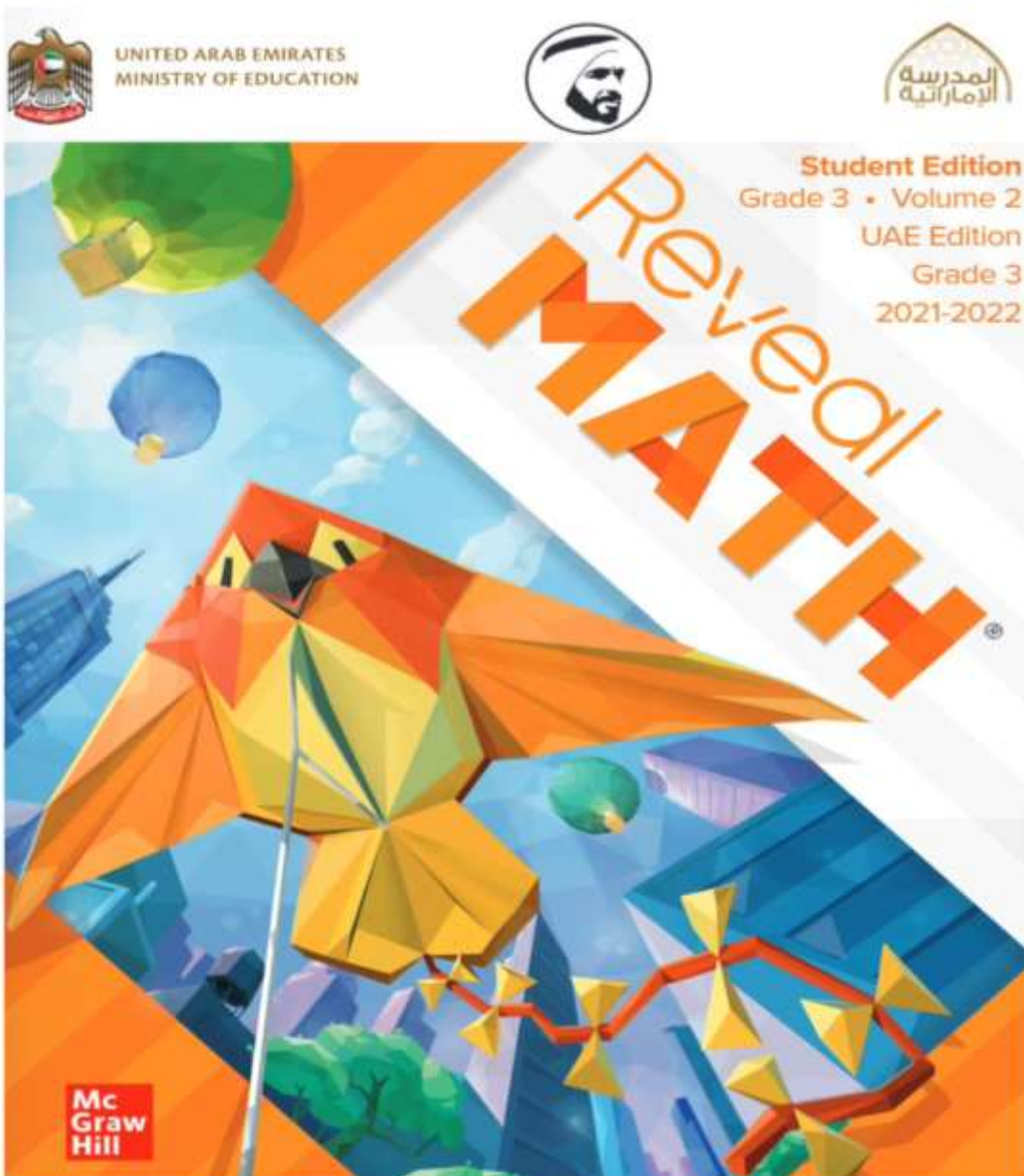
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**Unit 9
Lesson 3**

Find the answer mentally

$4 \times 3 =$ ..12...

$5 \times 6 =$ ..30...
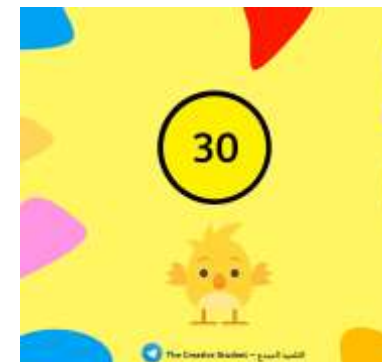
Send Your answer on the Chat Box

Divide by 5 and 10

Learning Outcome

Learning Targets

- I can use related multiplication facts to recall division facts with 5 and 10.
- I can describe strategies used to recall division facts with 5 and 10.

Divide the buttons equally into 5 groups.

https://ww.youtube.com/watch?v=CpbG54n9m24

Vocabulary

Quotient

determine

unknown

discuss

Learn

Padma has 50 cents in pennies.

If Padma trades her pennies for nickels, how many nickels will she get? If she trades her pennies for dimes, how many dimes will she get?
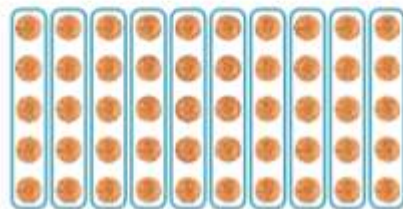
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The value of a nickel is 5 cents.	The value of a dime is 10 cents.
Divide 50 into groups of 5.	Divide 50 into groups of 10.
Think about 5 multiplied by what number equals 50.	Think about 10 multiplied by what number equals 50.
$10 \times 5 = 50$	$5 \times 10 = 50$
$50 \div 5 = 10$	$50 \div 10 = 5$
Padma will get 10 nickels.	Padma will get 5 dimes.
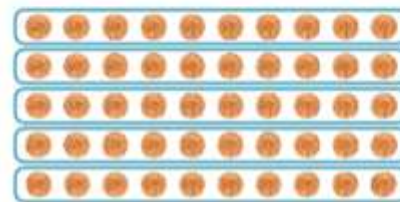
The relationship between multiplication and division can be used to divide by 5 and 10.

Math is... **Precision**

Why is the quotient equal to a factor in a related multiplication equation?

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Work Together

How can Jayden use multiplication to help him complete the facts 35 ÷ 5 and 90 ÷ 10?

5 x 7 = 35   and 10 x 9= 90

So, 35 ÷5 =7 and 90 ÷10= 9

1. Which equations can help you find the unknow ?
   Circle all the correct answers.

$$20 \div 5 = ?$$

$\boxed{20 = 5 \times ?}$ $\boxed{? \times 5 = 20}$ $? = 20 \times 5$ $20 \times ? = 5$

2. Draw a line to the number that makes each equation true.

$10 \div 10 = ?$ **9**

$40 \div 5 = ?$ **1**

$45 \div 5 = ?$ **6**

$60 \div 10 = ?$ **7**

$35 \div 5 = ?$ **8**

https://wordwall.net/resource/28580532

What number makes the equation true?
Write a related multiplication equation to help you.

3. $15 \div 5 = \underline{\ 3\ }$

$5 \times 3 = 15$

4. $\underline{\ 3\ } = 30 \div 10$

$10 \times 3 = 30$

5. $\underline{\ 10\ } = 70 \div 10$

$7 \times 10 = 70$

6. $100 \div 10 = \underline{\ 10\ }$

$10 \times 10 = 100$

7. $\underline{\ 1\ } = 5 \div 5$

$5 \times 1 = 5$

8. $30 \div 5 = \underline{\ 6\ }$

$6 \times 5 = 30$

9. What are the facts in the multiplication and division fact family that use 5, 2, and 10?

$5 \times 2 = 10$

$2 \times 5 = 10$

$10 \div 5 = 2$

$10 \div 2 = 5$

10. **Error Analysis** Maya says she can use a related multiplication fact to help her find the unknown in $30 \div ? = 10$. Do you agree? Explain.

Yes, she can use the fact $3 \times 10 = 30$

The unknown ? is 3

11. Leon has 60 tickets. He wants to use all of his tickets, but is only allowed to get 6 prizes. How can he use all his tickets to buy only 6 prizes?

Gum.................2 tickets
Eraser..............4 tickets
Sticky Hand.....5 tickets
Yo-Yo.............10 tickets

60 tickets divided to 6 is 10, so he can get 6 yo-yo'sv

12. **Extend Your Thinking** How might you use multiplication to help you find the unknown in the division equation show ?
$500 \div 100 = ?$

$5 \times 100 = 500$, so the unknown is 5

Does this make sense?