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activity



EXPO
2020
DUBAI
UAE





2021

My Calendar

2022

Day

Date

Month

Year

3 9

2021

Today the weather is...



Date

3

2

1

6

5

4

9

8

7

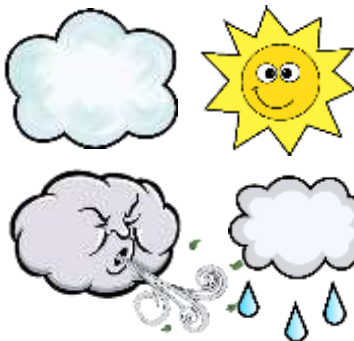
3

2

1

0

weather



Sunday

Thursday

Monday

Friday

Tuesday

Saturday

Wednesday

January

February

March

April

May

June

July

August

September

October

November

December

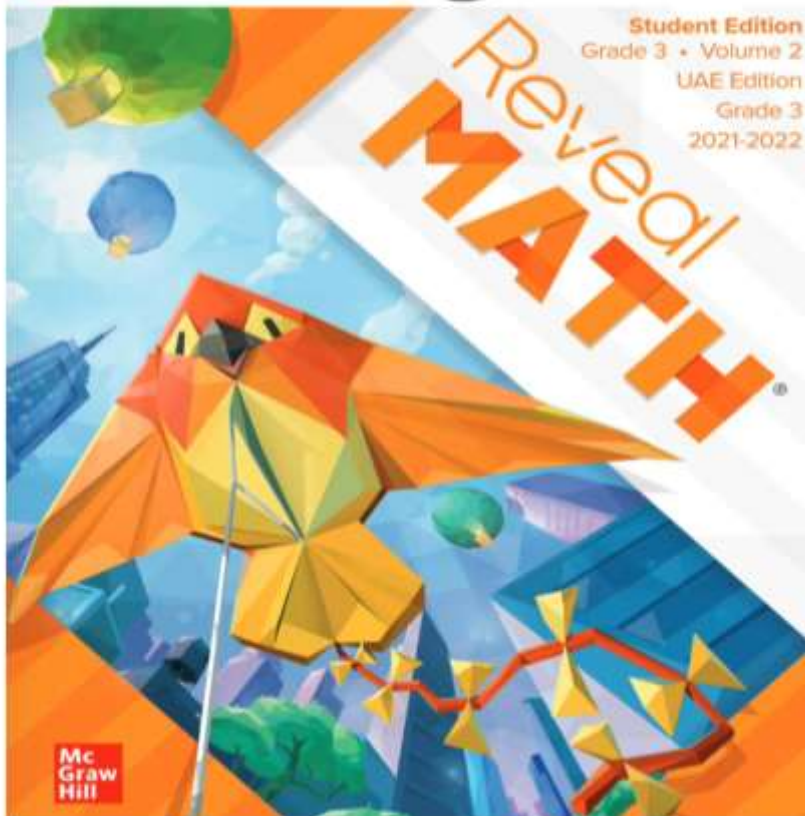


UNITED ARAB EMIRATES
MINISTRY OF EDUCATION



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

Reveal MATH



Mc
Graw
Hill

Lesson 9-9
Multiply and Divide Fluently
within 100



Be Curious

What do you notice?
What do you wonder?

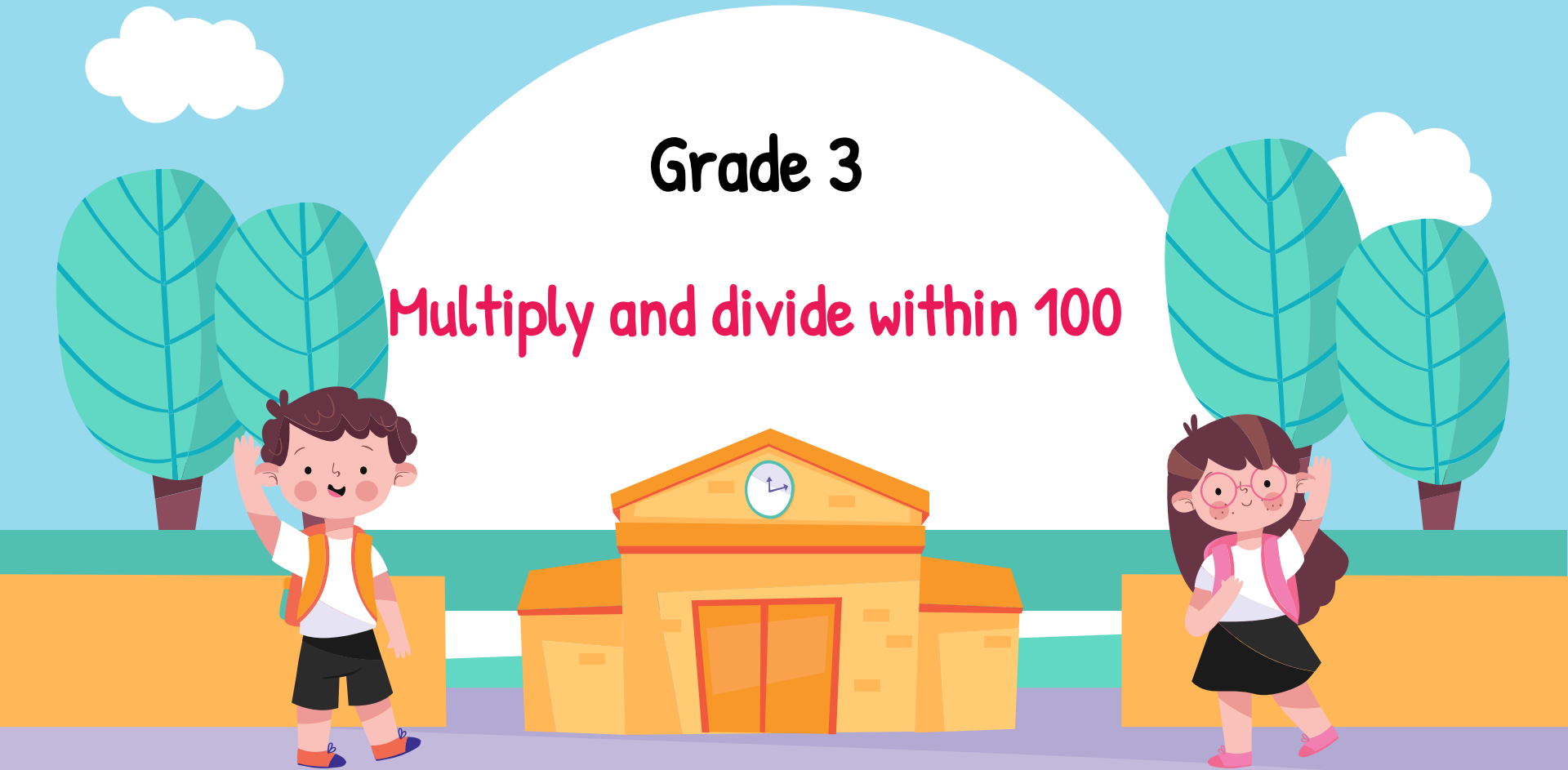


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Unit 9
Lesson 9

Grade 3

Multiply and divide within 100



Learn

At field day, students make 8 teams of 5 for a game.

How many students are playing the game?

► **One Way** Use multiplication patterns. Multiples of 5 have a 0 or 5 in the ones place.

$$8 \times 5 = ?$$

×	0	1	2	3	4	5
0	0	0	0	0	0	0
1	0	1	2	3	4	5
2	0	2	4	6	8	10
3	0	3	6	9	12	15
4	0	4	8	12	16	20
5	0	5	10	15	20	25
6	0	6	12	18	24	30
7	0	7	14	21	28	35
8	0	8	16	24	32	40

$$8 \times 5 = 40$$

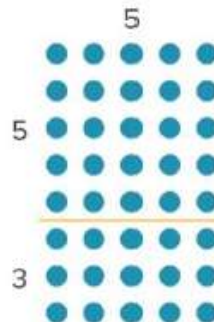
► **Another Way** Decompose 8 and add the products of the parts.

$$8 \times 5 = ?$$

$$5 \times 5 = 25$$

$$3 \times 5 = 15$$

$$25 + 15 = 40$$



$$8 \times 5 = 40$$

The same 40 students make 4 teams.
How many students are on each team?

$$40 \div 4 = ? \quad 40 \div 4 = 10$$

$$4 \times ? = 40 \quad 4 \times 10 = 40$$

There are **10** students on each team.

Math is... Modeling

Is there only one correct way to represent the problem? Explain.

Any multiplication or division strategy can be used to fluently multiply and divide.



Work Together

At field day, the teachers have 4 packages of 6 ribbons. The same number of ribbons are given to each of the 8 teams. How many ribbons does each team get? Show your work.

$$4 \times 6 = 24 \text{ ribbons}$$

$$24 \div 8 = 3 \text{ ribbons}$$

On My Own

Name _____

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What number makes the equation true?

1. $7 \times \underline{6} = 42$

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

3. $6 = 48 \div \underline{8}$

4. $9 \times 5 = \underline{45}$

5. $4 = \underline{16} \div 4$

6. $\underline{3} \times 8 = 24$

7. $6 \times 4 = \underline{24}$

8. $\underline{0} \div 7 = 0$

On My Own

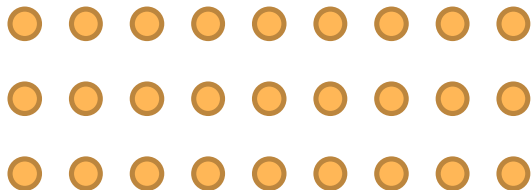
Name _____

What number makes the equation true?
Describe the strategy you used.

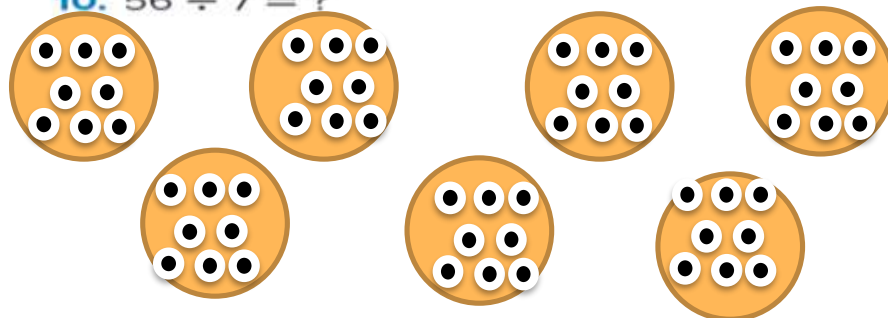
$$56 \div 7 = 8$$

9. $9 \times 3 = ?$

$$9 \times 3 = 27$$



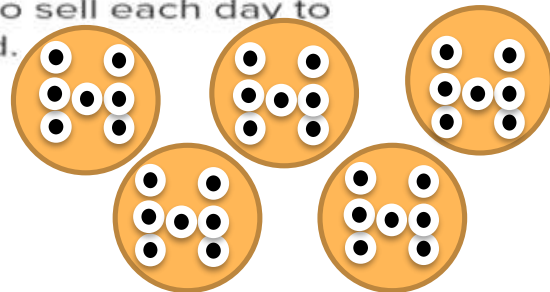
10. $56 \div 7 = ?$



11. Lena needs to sell 35 tickets to the school play by Saturday. Her goal is to sell the same number of tickets Monday through Friday. How many tickets does Lena need to sell each day to meet her goal? Show the strategy you used.

Monday through Friday are 5 days

$$35 \div 5 = 7$$



12. How can you decompose 5×9 to find the product?
Circle all the correct answers.

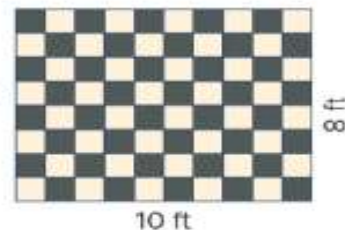
$5 \times 7 + 5 \times 2$

$2 \times 4 + 3 \times 5$

$2 \times 9 + 3 \times 9$

$5 \times 3 + 4 \times 6$

13. **STEM Connection** Malik needs to use 1 laser for every 10 square feet of a floor whe designing a museum security system. How many lasers does Malik need for the room? Explain.



$8 \times 1 = 8$ lasers

14. **Extend Your Thinking** John needs 2 yards of fabric for each banner. John uses 16 yards of fabric to make banners for the school. He hangs the same number of banners in each of the 4 hallways. How many banners does he hang in each hallway?

$16 \div 2 = 8$ banners

$8 \div 4 = 2$ banners in each hallway