

تم تحميل هذا الملف من موقع المناهج الإماراتية



تجميع أسئلة الوحدة السادسة وفق الهيكل الوزاري منهج ريفيل

موقع المناهج ← المناهج الإماراتية ← الصف الرابع ← رياضيات ← الفصل الأول ← ملفات متنوعة ← الملف

تاريخ إضافة الملف على موقع المناهج: 20:26:17 2024-11-13

ملفات اكتب للمعلم اكتب للطالب الاختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل
منهج انجليزي | ملخصات و تقارير | مذكرات و بنوك | الامتحان النهائي للمدرس

المزيد من مادة
رياضيات:

إعداد: Ibrahim Mohameed

التواصل الاجتماعي بحسب الصف الرابع



الرياضيات



اللغة الانجليزية



اللغة العربية



التربية الاسلامية



المواد على تلغرام

صفحة المناهج
الإماراتية على
فيسبوك

المزيد من الملفات بحسب الصف الرابع والمادة رياضيات في الفصل الأول

حل تجميع أسئلة الوحدة الثانية وفق الهيكل الوزاري منهج ريفيل

1

تجميع أسئلة الوحدة الثانية وفق الهيكل الوزاري منهج ريفيل

2

تجميع أسئلة وفق الهيكل الوزاري منهج ريفيل

3

حل أسئلة الامتحان النهائي الورقي

4

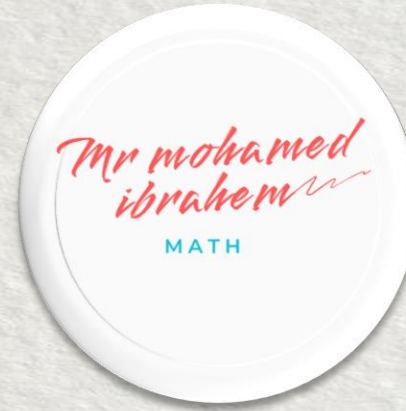
حل مراجعة شاملة وفق الهيكل الوزاري منهج بريدج

5

Unit 6 Lesson (1-6)



2024-2025



رابط مجموعة الصف الرابع

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جهة اتصال في واتساب



Key terms

Associative property of multiplication

Multiples

L1

Multiply by

Multiples

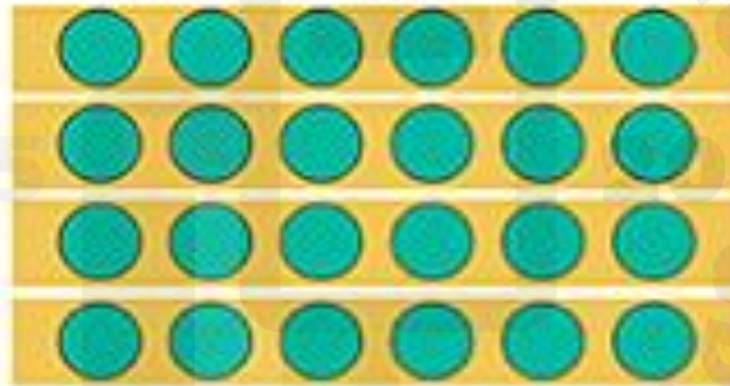
of 10,100

or 1000

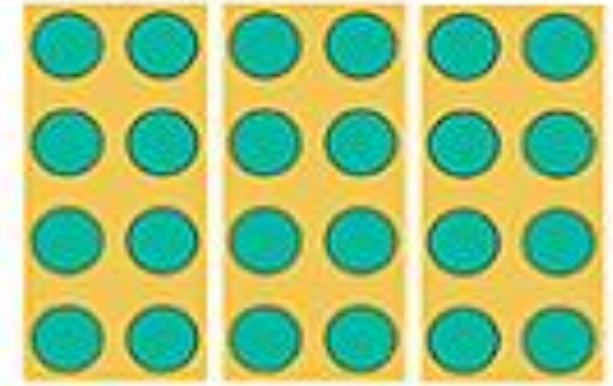
Associative property of multiplication

The order of multiplication between three numbers does not matter.

$$(3 \times 2) \times 4 = 24$$



$$3 \times (2 \times 4) = 24$$



$$(3 \times 2) \times 4 = 3 \times (2 \times 4)$$

10 20 30 40
50 60 70 80
90 100

100 200 300 400 500
600 700 800 900 1000

Multiples of 10, 100, 1000

How can you solve the equation?

$$8 \times 2,000 = ?$$

What's the product? Complete the equation.

1. $4 \times 40 = 4 \times$ _____ tens
 $=$ _____ tens
 $=$ _____

2. $4 \times 400 = 4 \times$ _____ hundreds
 $=$ _____ hundreds
 $=$ _____

3. $6 \times 600 = 6 \times$ _____
 $= 36$ _____
 $=$ _____

4. $6 \times 6,000 = 6 \times$ _____
 $= 36$ _____
 $=$ _____

5. $4 \times 20 = 4 \times 2 \times \underline{\hspace{2cm}}$
 $= \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$
 $= \underline{\hspace{2cm}}$

6. $4 \times 200 = 4 \times 2 \times \underline{\hspace{2cm}}$
 $= \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$
 $= \underline{\hspace{2cm}}$

7. $7 \times 300 = \underline{\hspace{2cm}}$

8. $2 \times 900 = \underline{\hspace{2cm}}$

9. $8 \times 80 = \underline{\hspace{2cm}}$

10. $9 \times 7,000 = \underline{\hspace{2cm}}$

Lesson 6-2 : Estimate Products

Key terms

compatible numbers

rounding

About how many sinks are there in the building?

You can use different strategies to estimate a product.

► **One Way** Use compatible numbers.

Choose a compatible number close to 262.

$$262 \times 3 = s$$



$$250 \times 3 = 750$$

There are about 750 sinks in the building.

► **Another Way** Use rounding.

Round 262 to the nearest hundred.

$$262 \times 3 = s$$



$$300 \times 3 = 900$$

There are about 900 sinks in the building.

Math is... Thinking

How can you decide which estimation strategy to use?

How can you use compatible numbers to estimate the product?

Complete the equation.

1. $323 \times 5 = ?$

Estimated product:

 $\times 5 =$

2. $146 \times 3 = ?$

Estimated product:

 $\times 3 =$

3. $436 \times 5 = ?$

Estimated product:

 $\times 5 =$

4. $6 \times 1,252 = ?$

Estimated product:

$6 \times$ $=$

How can you use rounding to estimate each product? Complete the equation.

5. $247 \times 7 = ?$

Estimated product:

 $\times 7 =$

6. $396 \times 8 = ?$

Estimated product:

 $\times 8 =$

7. $5 \times 448 = ?$

Estimated product:

$5 \times$ $=$

8. $3,456 \times 2 = ?$

Estimated product:

 $\times 2 =$

How can you find the estimated product? Write an equation to show your work.

9. A school cafeteria serves 2,750 lunches each week. About how many lunches are served in 4 weeks?

10. Penny's Pencils produces 5,980 pencils each day. About how many pencils does the company produce in 5 days.

12. Extend Your Thinking What are some numbers you could multiply by 5 to get an estimated product of 1,500? List 3 different numbers.

11. The school store has some boxes containing school supplies.

a. About how many notebooks are there?

b. About how many scissors are there?

c. About how many pencils are there?

	Number of boxes	Number of items in a box
Notebooks	9	28
Scissors	8	275
Pencils	6	3,830

Lesson 6-3 : use the distributive property to multiply

Key terms

distributive property

distributive property

DISTRIBUTIVE PROPERTY

What is the answer to $2(4 + 3)$?

$$2(4 + 3) = 2 \times 4 + 2 \times 3 = 14 \checkmark$$

The “2” outside the brackets is multiplied onto everything that is inside the brackets.

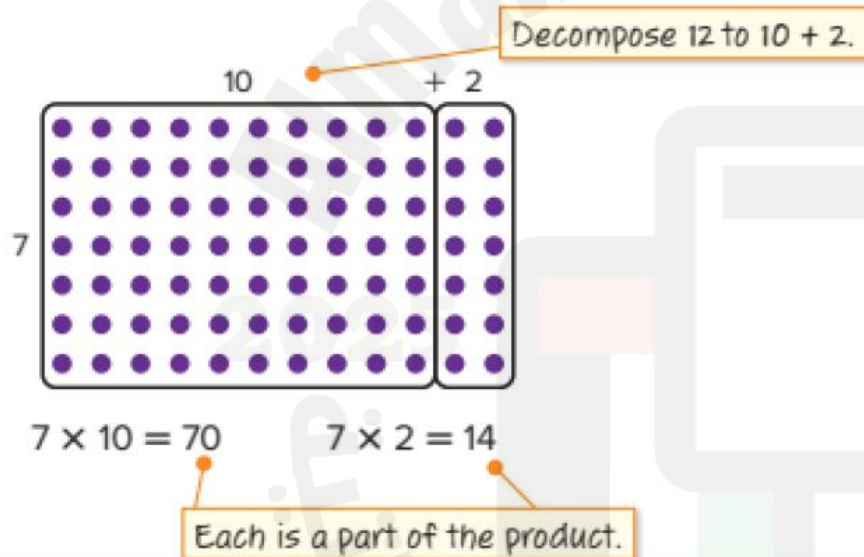
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What are some ways to solve the equation?

$$7 \times 12 = ?$$

You can use the Distributive Property to solve multiplication equations.

When you use the Distributive Property, you decompose one factor. Then, you determine the product of each section, or the **partial products**.



Add the two partial products to get the total product.

$$70 + 14 = 84$$

Math is... Structure



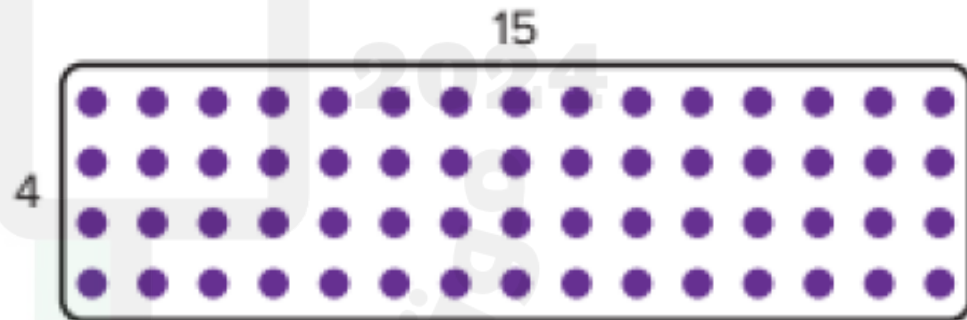
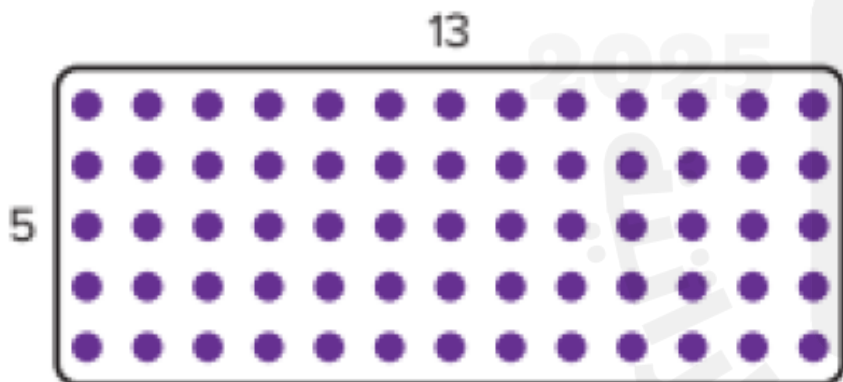
Work Together

How can Leanne find the product of 6×15 ? Use the Distributive Property to show two different ways Leanne can find the product.

How can you use the Distributive Property to find the product?
Use the array to help you decompose and complete the equation.

1. $5 \times 13 = 5 \times (\underline{\quad} + \underline{\quad})$
 $= (5 \times \underline{\quad}) + (5 \times \underline{\quad})$
 $= \underline{\quad} + \underline{\quad}$
 $= \underline{\quad}$

2. $4 \times 15 = 4 \times (\underline{\quad} + \underline{\quad})$
 $= (4 \times \underline{\quad}) + (4 \times \underline{\quad})$
 $= \underline{\quad} + \underline{\quad}$
 $= \underline{\quad}$



How can you use the Distributive Property to find the product?
Write and solve an equation to show your work.

3. 7×9

4. 12×8

5. 3×14

6. 5×17

7. Error Analysis Quin says he can find 6×8 by using $(3 \times 8) + (3 \times 8)$. Jasmine says she can find 6×8 by using $(6 \times 4) + (6 \times 4)$. Who is correct? Explain.

8. Kayla planted 6 rows of flower bulbs. There are 13 bulbs in each row. How many bulbs did she plant? Show your work.

9. A stock room has 4 shelves. Each shelf can hold 14 boxes. How many boxes can be stored on the shelves? Show your work.

10. **Extend Your Thinking** A pillow has rows with stars and squares. There are 7 stars and 8 squares in each row. How you can use the equation $35 + 40 = 75$ and the Distributive Property to find the number of rows on the pillow? Show your work.

Lesson 6-4 : multiply 2- digit by 2- digit factors

Key terms

Area model

Distributive property

partial product

Area model

AREA MODEL

$34 \times 6 = ?$

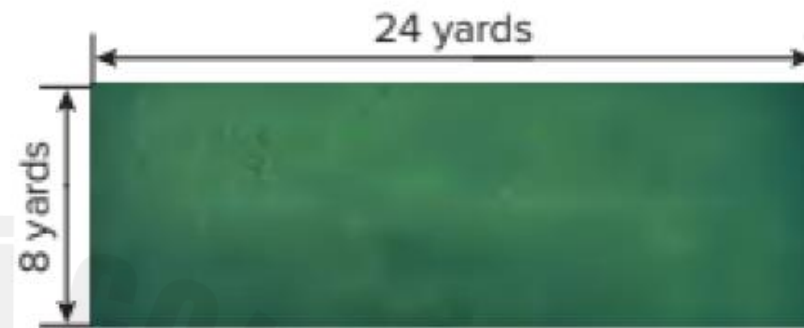
	30	4	
6	30×6 180	4×6 24	180 + 24 ----- 204

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Learn

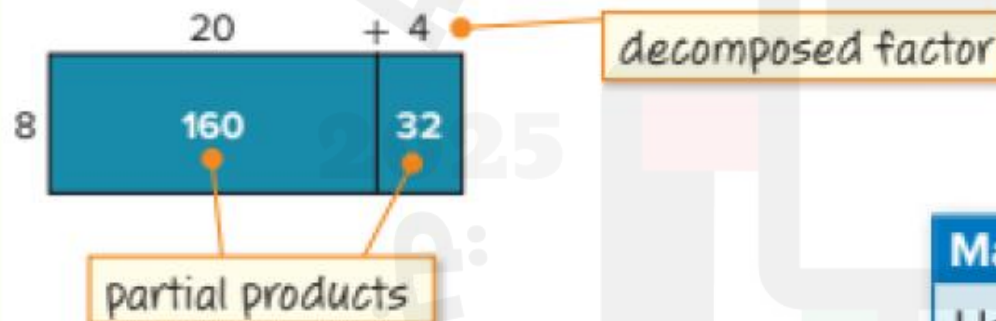
What is the area of Zoe's lawn?

You can use the Distributive Property to solve the problem.



You can draw an area model.

An **area model** is a rectangle partitioned into sections.



Add the partial products.

$$160 + 32 = 192$$

The area of Zoe's lawn is 192 square yards.

Math is... **Choosing Tools**

How do area models represent the decomposed factors?

Toby is painting a fence that is 6 feet high and 52 feet long. What is the area of the fence? Solve using an area model and partial products.



How can you decompose the 2-digit number to solve? Complete the equation.

1. $6 \times 82 = ?$

$6 \times (\underline{\quad} + \underline{\quad}) = ?$

2. $91 \times 8 = ?$

$8 \times (\underline{\quad} + \underline{\quad}) = ?$

3. $76 \times 3 = ?$

$3 \times (\underline{\quad} + \underline{\quad}) = ?$

4. $7 \times 45 = ?$

$7 \times (\underline{\quad} + \underline{\quad}) = ?$

How can you decompose a factor and find the partial products?
Complete the area model and equation to show your work.

5. 7×52



$$7 \times 52 = (7 \times 50) + (7 \times \underline{\quad})$$

$$7 \times 52 = 350 + \underline{\quad}$$

$$7 \times 52 = \underline{\quad}$$

6. 4×96



$$4 \times 96 = (4 \times \underline{\quad}) + (4 \times 6)$$

$$4 \times 96 = \underline{\quad} + 24$$

$$4 \times 96 = \underline{\quad}$$

7. 5×47



$$5 \times 47 = (5 \times \underline{\quad}) + (5 \times \underline{\quad})$$

$$5 \times 47 = \underline{\quad} + \underline{\quad}$$

$$5 \times 47 = \underline{\quad}$$

8. 3×29



$$3 \times 29 = (3 \times \underline{\quad}) + (3 \times \underline{\quad})$$

$$3 \times 29 = \underline{\quad} + \underline{\quad}$$

$$3 \times 29 = \underline{\quad}$$

THANK YOU!

GOODBYE!

