



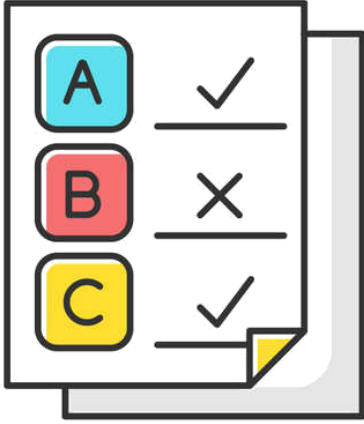
هيكّل الاختبار النهائي للصف الرابع
للفصل الدراسي الأول
مادة الرياضيات

End of term 1 Coverage
Grade 4
Mathematics

2025 – 2026

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المعلمة المها النعيمي



Part 1 of the Exam (Multiple choice) الجزء الأول من الاختبار (الأسئلة الاختيارية)

20 questions
2-4 Marks each

20 سؤال اختباري
4 الى 2 درجات لكل سؤال

What are the values of the digits in the number?

1. 1,489

1: _____

4: _____

8: _____

9: _____
2. 98,124

1: _____

2: _____

4: _____

8: _____

9: _____

Relate the value of a digit in one place-value position to that of the same digit in the place to its right

ربط قيمة الرقم في منزلة معينة بقيمة نفس الرقم في المنزلة التي على يمينه

How can you describe the relationship between the values of the underlined digits?

3. 258 and 2,180

4. 16,852 and 14,674
5. 12,184 and 541,247

6. 453 and 1,333

13. In which number does the digit 2 have a value that is ten times the value of the digit 2 in 12,738? Choose the correct answer.

(Lesson 2-1)
- A. 26

B. 215

C. 2,387

D. 23,901

How can you compare the numbers? Complete with $>$, $<$, or $=$.

1.

5,598

55,889
2.

123,710

123,711
3.

628,910

628,800
4.

709,103

709,130
5.

6,217

6,241
6.

43,829

43,598

Is the comparison true or false? Explain your reasoning.

7.

$1,780 < 11,780$
8.

$720,301 < 720,031$
9.

$34,646 > 321,446$
10.

$24,747 < 24,774$

17. Which statements are true?
Choose all that apply. (Lesson 2-3)

- A. $2,315 > 1,319$
- B. $2,315 < 1,319$
- C. $1,319 > 2,315$
- D. $2,315 = 1,319$
- E. $1,319 < 2,315$

What is your estimate? Round the number as indicated.

1.

478,309 to the nearest thousand
2.

105,201 to the nearest hundred thousand
3.

95,550 to the nearest ten thousand
4.

132,847 to the nearest thousand

21. What is 392,483 rounded to the nearest thousand? (Lesson 2-4)

22. What is 392,483 rounded to the nearest hundred thousand?
(Lesson 2-4)

Learn

A school principal has about \$8,000 to spend on new playground equipment. The table shows the top three items students selected.

Playground Equipment	
Item	Cost
Double Slide	\$3,919
Geodome	\$2,218
Climbing wall	\$3,564

Can the principal order the double slide and the climbing wall?

You can estimate the total cost of the two items.

▶ **One Way** Round to the nearest hundred.

$3,919 + 3,564 = ?$

Round to nearest hundred

$3,900 + 3,600 = 7,500$

▶ **Another Way** Use **front-end estimation**.

$3,919 + 3,564 = ?$

Front-end estimation

$3,000 + 3,000 = 6,000$

$3,919 + 3,564 = 7,483$

The exact sum is close to the estimated sums.

It is reasonable to think that the principal can order both items.

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How can you estimate the sum or difference?
Explain your strategy.

1. $12,258 + 14,926 =$ _____
2. $5,246 - 392 =$ _____

How can you estimate the sum or difference? Use a calculator to find the actual answer. Circle the estimate closest to the actual sum or difference.

	Rounding	Front-end estimation
3. $8,303 - 2,789 = ?$		
4. $3,783 + 1,416 = ?$		
5. $3,155 + 2,205 = ?$		
6. $9,875 - 4,968 = ?$		
7. $4,228 + 986 = ?$		

10. An elementary school is collecting box tops. The table shows how many box tops each grade has collected.

Grade	Box Tops
1	2,475
2	3,256
3	1,982
4	4,034

Which two grades combined have collected about 5,000 box tops? Explain how you found your answer. (Lesson 3-1)

Add multi-digit numbers by adjusting numbers or decomposing numbers based on place value

جمع الأعداد متعددة المنازل عن طريق تعديل الأعداد أو تحليلها بناءً على القيمة المكانية

What is the sum? Use partial Sum

1. $2,582 + 493 =$ _____

2. $476 + 8,719 =$ _____

3. $1,945 + 3,289 =$ _____

4. $12,017 + 5,308 =$ _____

5.
$$\begin{array}{r} 26,118 \\ + 11,043 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 47,621 \\ + 21,345 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 101,253 \\ + 27,285 \\ \hline \end{array}$$

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Subtract multi-digit numbers by adjusting or decomposing numbers based on place value

طرح الأعداد متعددة المنازل عن طريق تعديل الأعداد أو تحليلها بناءً على القيمة المكانية

How can you decompose to subtract? Find the difference.

1. $2,532 - 1,301 =$ _____

2. $6,489 - 2,472 =$ _____

3. $8,018 - 7,659 =$ _____

4. $11,023 - 1,414 =$ _____

How can you adjust to subtract? Find the difference.

5. $12,469 - 10,212 =$ _____

6. $97,137 - 24,677 =$ _____

7. $46,597 - 4,267 =$ _____

8. $84,649 - 126 =$ _____

9. A restaurant served 14,299 meals in January and 13,039 meals in February. How many more meals did the restaurant serve in January than in February?

10. The first night of a play 3,568 tickets were sold. The second night 2,984 tickets were sold. How many more tickets were sold on the first night?

5.
$$\begin{array}{r} 12,923 \\ - 10,712 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 2,646 \\ - 1,335 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 7,438 \\ - 5,225 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 267,982 \\ - 132,580 \\ \hline \end{array}$$

9. Addie and her family are driving to Florida to see her grandmother. The trip is 1,387 miles. They drove 365 miles the first day. How many miles do they have left to drive?

10. A summer camp is building new cabins. They spent \$2,789 for wood and tools to complete the project. The tools cost \$1,024. How much did the summer camp spend on wood?

11. Fill in the missing digits. Explain how you found each digit.

$$\begin{array}{r} 2, \quad 7 \quad 4 \quad \square \\ - 1, \quad \square \quad \square \quad 4 \\ \hline \square, \quad 5 \quad 4 \quad 1 \end{array}$$

Use diagrams and equations with variables to solve the problem.

1. Jamar needs sequins for costumes for a school play. The king’s costume needs 3,250 sequins. The queen’s costume needs 1,750 more sequins than the king’s costume. The jester’s costume needs 750 fewer sequins than the queen’s costume. How many sequins does Jamar need for all three costumes?

2. There are 550 students eating lunch in four different picnic areas of the zoo. How many students are eating lunch at Flamingo Feast?

Picnic Area	Number of Students
Giraffe Jump	217
Manatee Munch	138
Gorilla Garden	97
Flamingo Feast	?

3. An art teacher had 140 jars of paint. In the first half of the year, her students used 95 jars of paint. The teacher bought 35 more jars of paint. At the end of the year, she had 15 unused jars of paint. How many jars of paint did her students use in the second half of the year?

Learn

How can you describe the relationship between the number of cubes in Stick C and Stick D?

- Stick A  2 cubes
- Stick B  5 cubes
- Stick C  10 cubes
- Stick D  20 cubes

You can use multiplication to compare two quantities.

Stick C  10 cubes

Stick D  20 cubes

You can say that 20 is 2 *times as much as* 10.

This can be represented using the equation $20 = 2 \times 10$.

Math is... Thinking

How does the equation show the relationship?

Stick A  2 cubes

Stick D  20 cubes

You can say that 20 is 10 *times as much as* 2.

This can be represented using the equation $20 = 10 \times 2$.

A **multiplicative comparison** statement tells the relationship between two quantities using multiplication. You can use terms such as *times as many as* or *times as much as* to describe the relationship.

1. Which statement can be represented by the equation $3 \times 9 = 27$? Choose the correct answer.

A. 3 is 3 times as much as 27.

B. 27 is 9 times as much as 9.

C. 3 is 9 times as much as 27.

D. 27 is 3 times as much as 9.
2. Which statements are true? Choose all that apply.

A. 9 is 2 times as much as 18.

B. 2 is 9 times as much as 18.

C. 18 is 2 times as much as 9.

D. 9 is 18 times as much as 2.

E. 18 is 9 times as much as 2.

3. Complete the multiplicative comparison statement.

Stick A 

Stick B   

There are _____ times as many cubes in Stick A as in Stick B.

4. What multiplicative comparison statement can you write about the number of cubes in the two sticks?

 2 cubes

 10 cubes

5. What equation can be used to represent the multiplicative comparison statement 24 is 4 times as much as 6?

6. Sarah and Mark are looking at the equation $450 = 90 \times 5$. Sarah says it means 450 is 90 times as much as 5. Mark says it means 450 is 5 times as much as 90. How do you respond to them?

Distinguish between multiplicative and additive comparison

Learn

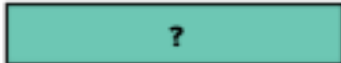
Jackson biked 6 miles. Karen biked 4 more miles than Jackson.

Terry biked 4 times as many miles as Jackson.

How many miles did Karen and Terry bike?

Jackson biked 6 miles. Karen biked 4 *more* miles than Jackson.

Jackson  4 more |

Karen 

$6 + 4 = 10$ So, Karen biked 10 miles.

This is an additive comparison situation.

Math is... Modeling

How does the bar diagram represent the problem?

Jackson biked 6 miles. Terry biked 4 *times as many* miles as Jackson.

Jackson 

Terry 

$4 \times 6 = 24$ So, Terry biked 24 miles.

This is a multiplicative comparison situation.

Additive comparison statements compare quantities by telling how many more. They are represented by addition equations.

Multiplicative comparison statements compare quantities by telling how many times. They are represented by multiplication equations.

What equation can you write to represent and solve the comparison?

1. 8 more than 4
2. 3 times as many as 5
3. 2 times as long as 9 feet
4. 5 times as far as 10 miles

How can you represent the problem? Draw a bar diagram and write an equation to solve.

5. A small bridge is 40 feet long. A new bridge is 3 times as long as the small bridge. How long is the new bridge?
6. Raya has 8 pencils in her school box. Miranda has 4 more pencils than Raya. How many pencils does Miranda have?

6. Tom and Gail are serving bowls of soup at a restaurant. Which comparison statement could be represented by the bar diagram? Choose the correct answer.
(Lesson 4-2)

Tom	3 bowls		
Gail	3 bowls	3 bowls	3 bowls

- A. Tom serves 3 times as many bowls of soup as Gail.
- B. Tom serves 3 more bowls of soup than Gail.
- C. Gail serves 3 more bowls of soup than Tom.
- D. Gail serves 3 times as many bowls of soup as Tom.

What is the unknown number? Write a division equation to represent the comparison. Then solve the equation.

1. 24 is 8 times as much as ?.
2. 20 is ? times as much as 5.
3. 18 is ? times as much as 6.
4. 16 is 4 times as much as ?.

How can you represent the problem? Draw a bar diagram and write a division equation to solve.

5. A piece of green string is 48 inches long. How many times as long is the green string than a piece of red string that is 8 inches long?
6. Ellie has 50 blue blocks. She has 5 times as many blue blocks as white blocks. How many white blocks does she have?

11. Paula sends 5 times as many texts as her mother. Paula sends 40 texts. How many texts does her mother send? (Lesson 4-4)
- a. Which equation represents the problem? Choose the correct answer.

- A. $? + 5 = 40$
- B. $40 \times 5 = ?$
- C. $40 + 5 = ?$
- D. $40 \div 5 = ?$

What are all the factor pairs for each number?

1. 14
2. 65
3. 23
4. 64
5. 32
6. 100

7. Adrian arranges 12 flowers. He puts the same number of flowers in each vase and can use up to 6 vases. What are two other ways to arrange the flowers?



8. Setsuko is organizing 36 books in her bookcase. She wants the same number of books on each shelf and can use up to 3 shelves. What are three different ways she can arrange her books?

Identify a whole number as prime or composite based on the number of factors pairs it has

تحديد ما إذا كان العدد الكلي أوليًا أم مركبًا بناءً على عدد أزواج العوامل التي يمتلكها

Is the number prime or composite? Explain your reasoning.

1. 3

2. 24

3. 15

4. 31

5. 87

6. 2

Is the statement true or false? Justify your answer.

7. All even numbers greater than 2 are composite.

8. 1 is a prime number.

What are the next five multiples of the number?

1.

4, _____, _____, _____, _____, _____
2.

7, _____, _____, _____, _____, _____
3.

12, _____, _____, _____, _____, _____
4.

15, _____, _____, _____, _____, _____

Choose all that apply.

5.

Which numbers are multiples of 4?

A.

14

B.

16

C.

34

D.

64
6.

Which numbers are multiples of 9?

A.

91

B.

89

C.

45

D.

18

What are the missing multiples?

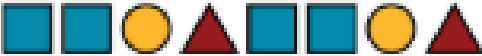
7.

_____, 12, 18, _____, _____, _____
8.

_____, 10, _____, _____, _____

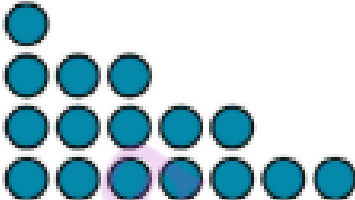
What is the pattern unit or rule?

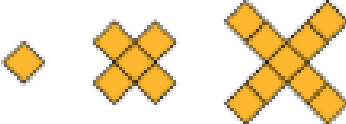
1.


2.

6, 12, 24, 48, 96
3.

4, 8, 10, 4, 8, 10
4.


5.

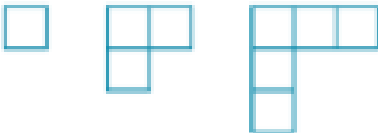

6.

12, 20, 28, 36, 44

Extend the pattern to determine three more numbers or shapes in the pattern. How did you find your answer?

7.

36, 30, 24, , ,
8.



Identify patterns with zeros in products of 1-digit numbers and multiples of 10, 100, and 1,000

تحديد الأنماط التي تحتوي على أصفار في نواتج ضرب الأعداد ذات رقم واحد في مضاعفات العدد 10 و100 و1000

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

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

5. $4 \times 20 = 4 \times 2 \times$ _____
 $=$ _____ $\times$ _____
 $=$ _____

6. $4 \times 200 = 4 \times 2 \times$ _____
 $=$ _____ $\times$ _____
 $=$ _____

7. $7 \times 300 =$ _____

8. $2 \times 900 =$ _____

9. $8 \times 80 =$ _____

10. $9 \times 7,000 =$ _____

Use estimation strategies such as rounding and compatible numbers to estimate products

استخدام استراتيجيات التقدير مثل التقريب والأعداد المتوافقة لتقدير نواتج الضرب

3. $436 \times 5 = ?$
Estimated product:
_____ $\times 5 =$ _____

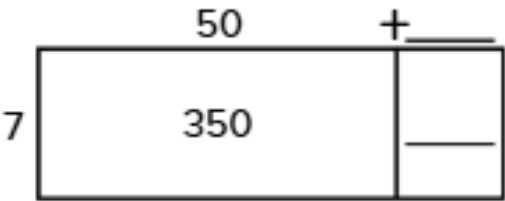
4. $6 \times 1,252 = ?$
Estimated product:
 $6 \times$ _____ $=$ _____

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:
_____ $\times 8 =$ _____

5. 7×52



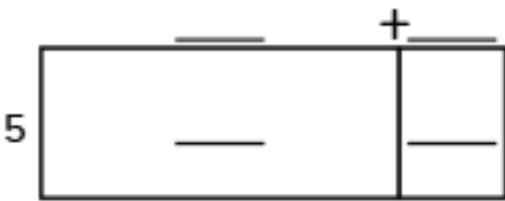
$7 \times 52 = (7 \times 50) + (7 \times \underline{\hspace{1cm}})$
 $7 \times 52 = 350 + \underline{\hspace{1cm}}$
 $7 \times 52 = \underline{\hspace{1cm}}$

6. 4×96



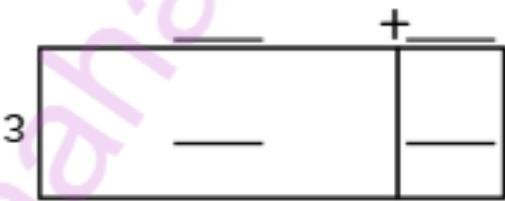
$4 \times 96 = (4 \times \underline{\hspace{1cm}}) + (4 \times 6)$
 $4 \times 96 = \underline{\hspace{1cm}} + 24$
 $4 \times 96 = \underline{\hspace{1cm}}$

7. 5×47



$5 \times 47 = (5 \times \underline{\hspace{1cm}}) + (5 \times \underline{\hspace{1cm}})$
 $5 \times 47 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
 $5 \times 47 = \underline{\hspace{1cm}}$

8. 3×29



$3 \times 29 = (3 \times \underline{\hspace{1cm}}) + (3 \times \underline{\hspace{1cm}})$
 $3 \times 29 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
 $3 \times 29 = \underline{\hspace{1cm}}$

Find the product using an area model and partial products. Show your work.

1. 214×2

2. 523×4

3. $6,232 \times 3$

4. $3,317 \times 5$



Part 2 of the Exam (Written Answers) الجزء الأول من الاختبار (الأسئلة الكتابية)

5 questions
5-11 Marks each

5 سؤال اختباري
5 الى 11 درجات لكل سؤال

How can you write the number in standard form?

- 1. Four hundred thousand, nine hundred thirty _____
- 2. Thirty-four thousand, nine hundred eighty-nine _____

How can you write the number in expanded form?

- 3. 530,879
- 4. 6,216

How can you write the number in word form?

- 5. 205,782
- 6. 1,108,308

- 9. Which number represents sixty-two thousand, four hundred ninety-five? Choose the correct answer. (Lesson 2-2)

- A. 620,495
- B. 624,95
- C. 62,495
- D. 62,400,095

14. Which of the following are different ways to represent the number 40,381? Choose all that apply. (Lesson 2-2)
- A. $4,000 + 300 + 80 + 1$

B. Forty thousand, three hundred eighty-one

C. $40,000 + 300 + 80 + 1$

D. Four thousand, three hundred eighty-one

E. $40,000 + 3,000 + 80 + 1$

F. Forty, three hundred eighty-one
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Use and explain a standard addition algorithm with regrouping

استخدام وشرح خوارزمية الجمع القياسية مع إعادة التجميع

5.
$$\begin{array}{r} 9,087 \\ + 7,668 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 12,058 \\ + 4,867 \\ \hline \end{array}$$
7. A car manufacturer has made 4,569 cars so far this month. They will make 5,286 more cars this month. How many cars will they make this month? Use an algorithm to solve.
8. Trevon had 1,425 trading cards in his collection. He traded many cards and now has 395 more cards than he started with. How many trading cards does he have now? Use an algorithm to solve.

9. Luca and his family are taking a road trip.
- a. The first day they drove from Chicago to Omaha, 467 miles. The next day they drove from Omaha to Billings, 838 miles. How many miles did they drive the first two days?
 - b. Luca's family then drove to Salt Lake City and Los Angeles, a total of 1,238 miles. How many miles have they driven so far on their trip?
 - c. Luca and his family ended their trip in Los Angeles and drove back to Chicago a different way. When they stopped exactly halfway through the trip home, they had driven 1,259 miles. How many miles did they travel on the entire trip home?

5.

6.

7.

8.

Solve. Show your work.

9. A baseball league had 41,384 hits in the fall season and 42,215 hits the spring season. How many more hits did the league have in the spring season?
10. A company bought a delivery truck for \$35,698. A year later the company bought a second delivery truck for \$39,105. How much more did they spend on the second truck?
11. **Error Analysis** Julio subtracted using an algorithm. Do you agree or disagree with his solution? Explain.

$$\begin{array}{r} 22,7\overset{11}{\cancel{2}}\overset{13}{\cancel{3}} \\ - 12,644 \\ \hline 10,179 \end{array}$$

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Solve multiplicative comparison problems by using multiplication

حل مسائل المقارنة الضربية باستخدام عملية الضرب

5. Marie read 20 pages of a book last week. She read 2 times as many pages this week as she did last week. How many pages did she read this week?
6. A tomato plant is 48 inches tall. How many times as tall is the tomato plant as a pepper plant that is 8 inches tall?
7. Dana saved \$63. Dana saved 7 times as much as Julie. How much did Julie save?

13. During a trip to the beach, Cheri collects 4 times as many seashells as Natalie. Cheri collects 24 seashells. How many seashells did Natalie collect?
(Lessons 4-3, 4-4)
- a. What equation can you write to represent the problem? Use ? to represent the unknown.
- b. What is the solution to the problem?

Generate a number or shape pattern from a given rule

توليد نمط عددي أو شكلي بناءً على قاعدة معطاة

3. Starting with 14 dots in a row, subtract 2 dots from each row.
4. Starting with 3, add 6.

5. Hector puts 3 photos on the first page of his scrapbook. He increases the number of photos on each page by 3. How many photos are on the pages indicated?

Page	Rule	Number of photos
2	$(1 \times 3) + 3$	6
4		
6		

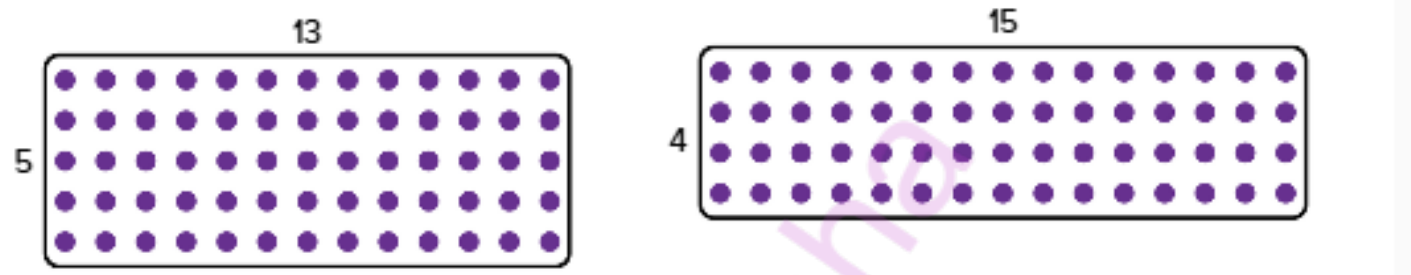
6. An amphitheater has 5 seats in the floor rows. Each stair row has two more seats on each end than the previous row. How many seats are in the stair rows indicated?

Row	Rule	Number of seats
6		
8	$(8 \times 4) + 5$	37
10		

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

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

2. $4 \times 15 = 4 \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$
 $= (4 \times \underline{\hspace{1cm}}) + (4 \times \underline{\hspace{1cm}})$
 $= \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
 $= \underline{\hspace{1cm}}$



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

