

engage^{ny} / Eureka Math

Exit Tickets



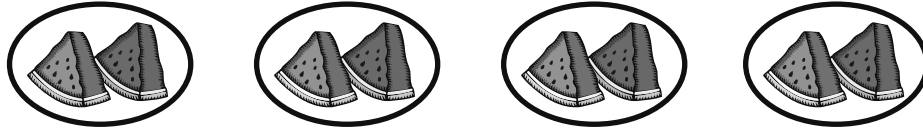
GRADE 3 MODULE 1

Version 3

Name _____

Date _____

1. The picture below shows 4 groups of 2 slices of watermelon. Fill in the blanks to make true repeated addition and multiplication sentences that represent the picture.



$$2 + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

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

2. Draw a picture to show $3 + 3 + 3 = 9$. Then, write a multiplication sentence to represent the picture.

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1.



a. There are 4 rows of stars. How many stars are in each row? _____

b. Write a multiplication equation to describe the array. _____

2. Judy collects seashells. She arranges them in 3 rows of 6. Draw Judy's array to show how many seashells she has altogether. Then, write a multiplication equation to describe the array.

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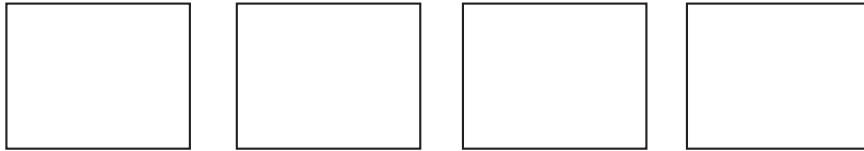
Date _____

Draw an array that shows 5 rows of 3 squares. Then, show a number bond where each part represents the amount in one row.

Name _____

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1. There are 16 glue sticks for the class. The teacher divides them into 4 equal groups. Draw the number of glue sticks in each group.



There are _____ glue sticks in each group.

$$16 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

2. Draw a picture to show $15 \div 3$. Then, fill in the blank to make a true division sentence.

$$15 \div 3 = \underline{\hspace{2cm}}$$

Name _____

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1. Divide 12 triangles into groups of 6.



$$12 \div 6 = \underline{\hspace{2cm}}$$

2. Spencer buys 20 strawberries to make smoothies. Each smoothie needs 5 strawberries. Use a count-by to find the number of smoothies Spencer can make. Make a drawing to match your counting.

Name _____ Date _____

Cesar arranges 12 notecards into rows of 6 for his presentation. Draw an array to represent the problem.

$$12 \div 6 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 6 = 12$$

What do the unknown factor and quotient represent? _____

Name _____

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$$2 \times 5 = 5 \times 2$$

Do you agree or disagree with the statement in the box? Draw arrays and use skip-counting to explain your thinking.

Name _____

Date _____

Mary Beth organizes stickers on a page in her sticker book. She arranges them in 3 rows and 4 columns.

- a. Draw an array to show Mary Beth's stickers.

- b. Use your array to write a multiplication sentence to find Mary Beth's total number of stickers.

- c. Label your array to show how you skip-count to solve your multiplication sentence.

- d. Use what you know about the commutative property to write a different multiplication sentence for your array.

Name _____

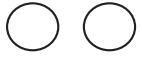
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1. Mrs. Stern roasts cloves of garlic. She places 10 rows of two cloves on a baking sheet.

Write an equation to describe the number of cloves Mrs. Stern bakes.

$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



2. When the garlic is roasted, Mrs. Stern uses some for a recipe. There are 2 rows of two garlic cloves left on the pan.

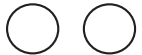


- a. Complete the equation below to show how many garlic cloves Mrs. Stern uses.

$$\underline{\hspace{2cm}} \text{ twos} - \underline{\hspace{2cm}} \text{ twos} = \underline{\hspace{2cm}} \text{ twos}$$

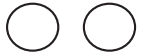


- b. $20 - \underline{\hspace{2cm}} = 16$



- c. Write an equation to describe the number of garlic cloves Mrs. Stern uses.

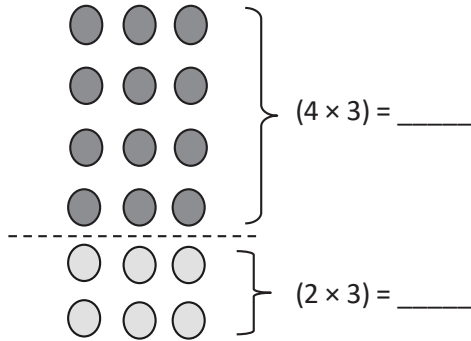
$$\underline{\hspace{2cm}} \times 2 = \underline{\hspace{2cm}}$$



Name _____

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1. $6 \times 3 =$ _____

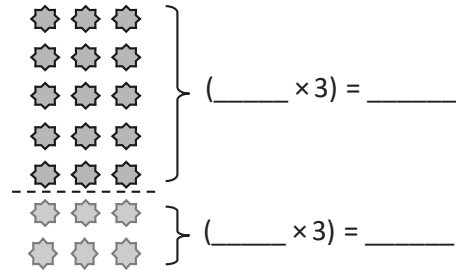


$(4 \times 3) + (2 \times 3) =$ _____ $+$ _____

$6 \times 3 =$ _____ $+$ _____

_____ $\times 3 =$ _____

2. $7 \times 3 =$ _____



$(5 \times 3) + (2 \times 3) =$ _____ $+$ _____

$7 \times 3 =$ _____ $+$ _____

_____ $\times 3 =$ _____

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Ms. McCarty has 18 stickers. She puts 2 stickers on each homework paper and has no more left. How many homework papers does she have? Model the problem with both an array and a labeled tape diagram.

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There are 14 mints in 1 box. Cecilia eats 2 mints each day. How many days does it take Cecilia to eat 1 box of mints? Draw and label a tape diagram to solve.

It takes Cecilia _____ days to eat 1 box of mints.

Name _____

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1. Andrea has 21 apple slices. She uses 3 apple slices to decorate 1 pie. How many pies does Andrea make? Draw and label a tape diagram to solve.

2. There are 24 soccer players on the field. They form 3 equal teams. How many players are on each team?

Name _____

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Arthur has 4 boxes of chocolates. Each box has 6 chocolates inside. How many chocolates does Arthur have altogether? Draw and label a tape diagram to solve.

Name _____

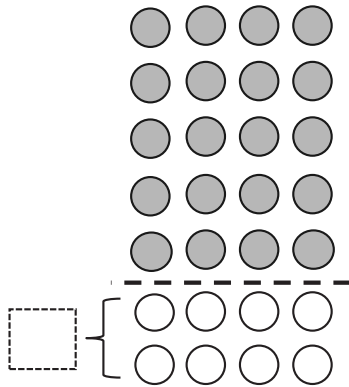
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Draw and label 2 tape diagrams to show that $4 \times 3 = 3 \times 4$. Use your diagrams to explain how you know the statement is true.

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Destiny says, "I can use 5×4 to find the answer to 7×4 ." Use the array below to explain Destiny's strategy using words and numbers.



$$(7 \times 4) = (5 \times 4) + (2 \times 4)$$

$$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

Date _____

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Name _____

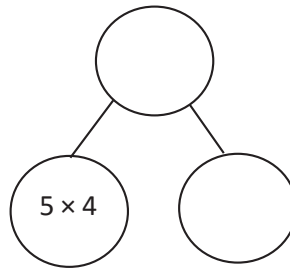
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Dylan used the break apart and distribute strategy to solve a multiplication problem. Look at his work below, write the multiplication problem Dylan solved, and complete the number bond.

Dylan's work:

$$(5 \times 4) + (1 \times 4) =$$

$$20 + 4 = 24$$



$$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

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Complete the equations below to solve $22 \div 2 = \underline{\hspace{2cm}}$.

$$(20 \div 2) = \underline{\hspace{2cm}}$$

$$(\underline{\hspace{2cm}} \div 2) = \underline{\hspace{2cm}}$$

$$(22 \div 2) = (20 \div 2) + (\underline{\hspace{2cm}} \div 2)$$

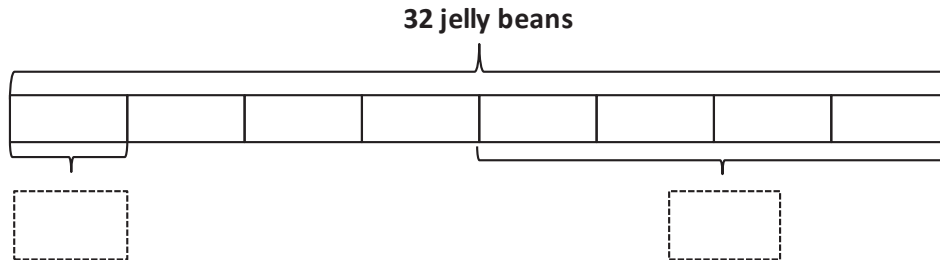
$$= \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$

Name _____

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1. Thirty-two jelly beans are shared by 8 students.



- a. How many jelly beans will each student get?

- b. How many jelly beans will 4 students get?

-
2. The teacher has 30 apple slices and 20 pear slices. Five children equally share all of the fruit slices. How many fruit slices does each child get?

Name _____

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Ms. Egeregor buys 27 books for her classroom library. She buys an equal number of fiction, nonfiction, and poetry books. She shelves all of the poetry books first. Draw and label a tape diagram to show how many books Ms. Egeregor has left to shelve.