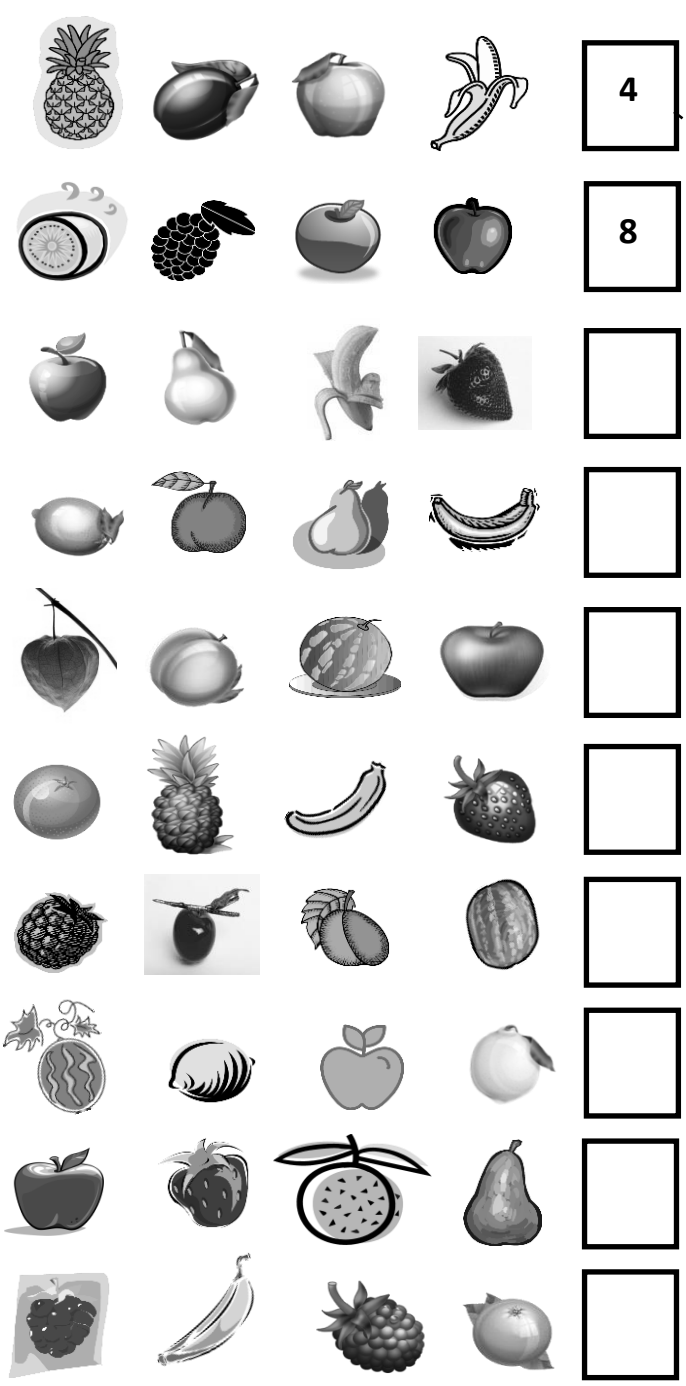
Name _____ Date _____

1. Skip-count by fours. Match each answer to the appropriate expression.



6 × 4

10 × 4

5 × 4

1 × 4

4 × 4

9 × 4

2 × 4

8 × 4

7 × 4

3 × 4

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2. Mr. Schmidt replaces each of the 4 wheels on 7 cars. How many wheels does he replace? Draw and label a tape diagram to solve.

Mr. Schmidt replaces _____ wheels.

3. Trina makes 4 bracelets. Each bracelet has 6 beads. Draw and label a tape diagram to show the total number of beads Trina uses.

4. Find the total number of sides on 5 rectangles.

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Multiply.

4 x 1 = _____	4 x 2 = _____	4 x 3 = _____	4 x 4 = _____
4 x 5 = _____	4 x 1 = _____	4 x 2 = _____	4 x 1 = _____
4 x 3 = _____	4 x 1 = _____	4 x 4 = _____	4 x 1 = _____
4 x 5 = _____	4 x 1 = _____	4 x 2 = _____	4 x 3 = _____
4 x 2 = _____	4 x 4 = _____	4 x 2 = _____	4 x 5 = _____
4 x 2 = _____	4 x 1 = _____	4 x 2 = _____	4 x 3 = _____
4 x 1 = _____	4 x 3 = _____	4 x 2 = _____	4 x 3 = _____
4 x 4 = _____	4 x 3 = _____	4 x 5 = _____	4 x 3 = _____
4 x 4 = _____	4 x 1 = _____	4 x 4 = _____	4 x 2 = _____
4 x 4 = _____	4 x 3 = _____	4 x 4 = _____	4 x 5 = _____
4 x 4 = _____	4 x 5 = _____	4 x 1 = _____	4 x 5 = _____
4 x 2 = _____	4 x 5 = _____	4 x 3 = _____	4 x 5 = _____
4 x 4 = _____	4 x 2 = _____	4 x 4 = _____	4 x 3 = _____
4 x 5 = _____	4 x 3 = _____	4 x 2 = _____	4 x 4 = _____
4 x 3 = _____	4 x 5 = _____	4 x 2 = _____	4 x 4 = _____

multiply by 4 (1–5)

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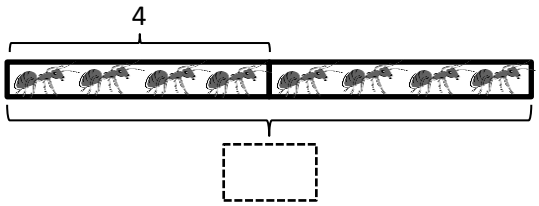
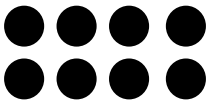
Name _____ Date _____

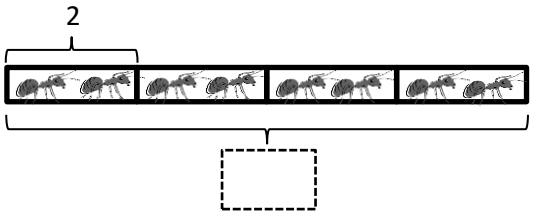
1. Label the tape diagrams and complete the equations. Then, draw an array to represent the problems.

a.



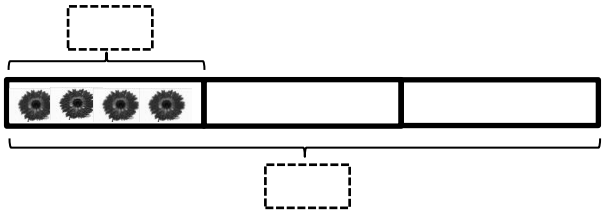
2 × 4 = _____



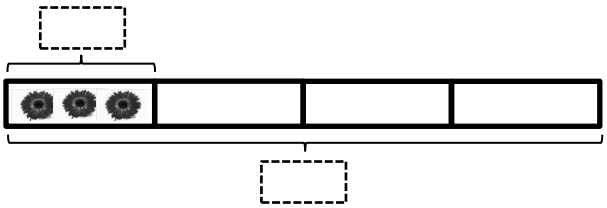


4 × 2 = _____

b.

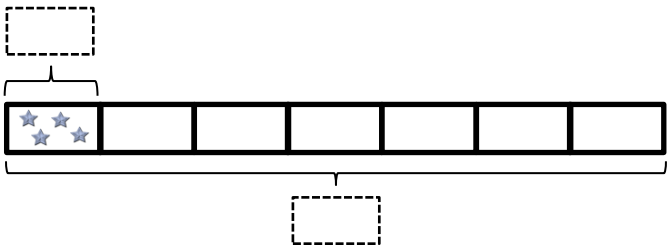


_____ × 4 = _____

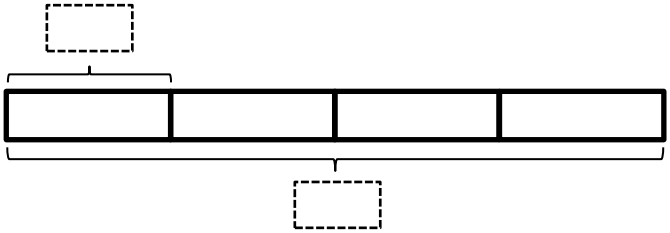


4 × _____ = _____

c.



_____ × _____ = 28



_____ × _____ = 28

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2. Draw and label 2 tape diagrams to model why the statement in the box is true.

$4 \times 6 = 6 \times 4$

3. Grace picks 4 flowers from her garden. Each flower has 8 petals. Draw and label a tape diagram to show how many petals there are in total.

4. Michael counts 8 chairs in his dining room. Each chair has 4 legs. How many chair legs are there altogether?

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Multiply.

4 x 1 = _____	4 x 2 = _____	4 x 3 = _____	4 x 4 = _____
4 x 5 = _____	4 x 6 = _____	4 x 7 = _____	4 x 8 = _____
4 x 9 = _____	4 x 10 = _____	4 x 6 = _____	4 x 7 = _____
4 x 6 = _____	4 x 8 = _____	4 x 6 = _____	4 x 9 = _____
4 x 6 = _____	4 x 10 = _____	4 x 6 = _____	4 x 7 = _____
4 x 6 = _____	4 x 7 = _____	4 x 8 = _____	4 x 7 = _____
4 x 9 = _____	4 x 7 = _____	4 x 10 = _____	4 x 7 = _____
4 x 8 = _____	4 x 6 = _____	4 x 8 = _____	4 x 7 = _____
4 x 8 = _____	4 x 9 = _____	4 x 8 = _____	4 x 10 = _____
4 x 8 = _____	4 x 9 = _____	4 x 6 = _____	4 x 9 = _____
4 x 7 = _____	4 x 9 = _____	4 x 8 = _____	4 x 9 = _____
4 x 10 = _____	4 x 9 = _____	4 x 10 = _____	4 x 6 = _____
4 x 10 = _____	4 x 7 = _____	4 x 10 = _____	4 x 8 = _____
4 x 10 = _____	4 x 9 = _____	4 x 10 = _____	4 x 6 = _____
4 x 8 = _____	4 x 10 = _____	4 x 7 = _____	4 x 9 = _____

multiply by 4 (6–10)

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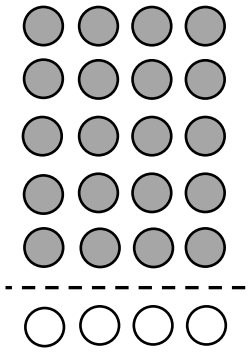
Name _____ Date _____

1. Label the array. Then, fill in the blanks below to make true number sentences.

a. **6 × 4 = _____**



(5 × 4) = 20

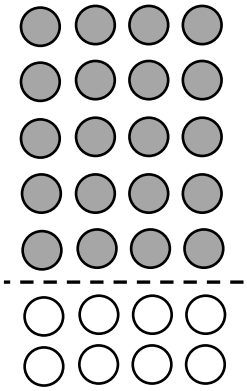
(1 × 4) = _____

(6 × 4) = (5 × 4) + (1 × 4)

= 20 + _____

= _____

b. **7 × 4 = _____**



(5 × 4) = _____

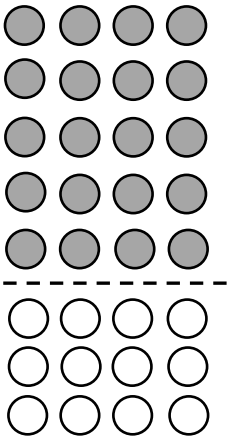
(2 × 4) = _____

(7 × 4) = (5 × 4) + (2 × 4)

= _____ + _____

= 28

c. **8 × 4 = _____**



(5 × 4) = _____

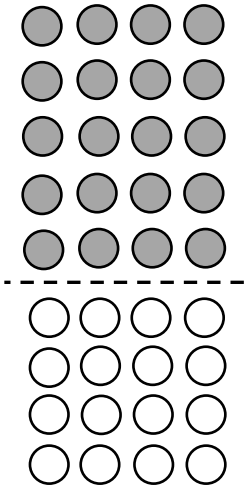
(____ × 4) = _____

(8 × 4) = (5 × 4) + (____ × 4)

= _____ + _____

= _____

d. **9 × 4 = _____**



(5 × 4) = _____

(____ × 4) = _____

(9 × 4) = (5 × 4) + (____ × 4)

= _____ + _____

= _____

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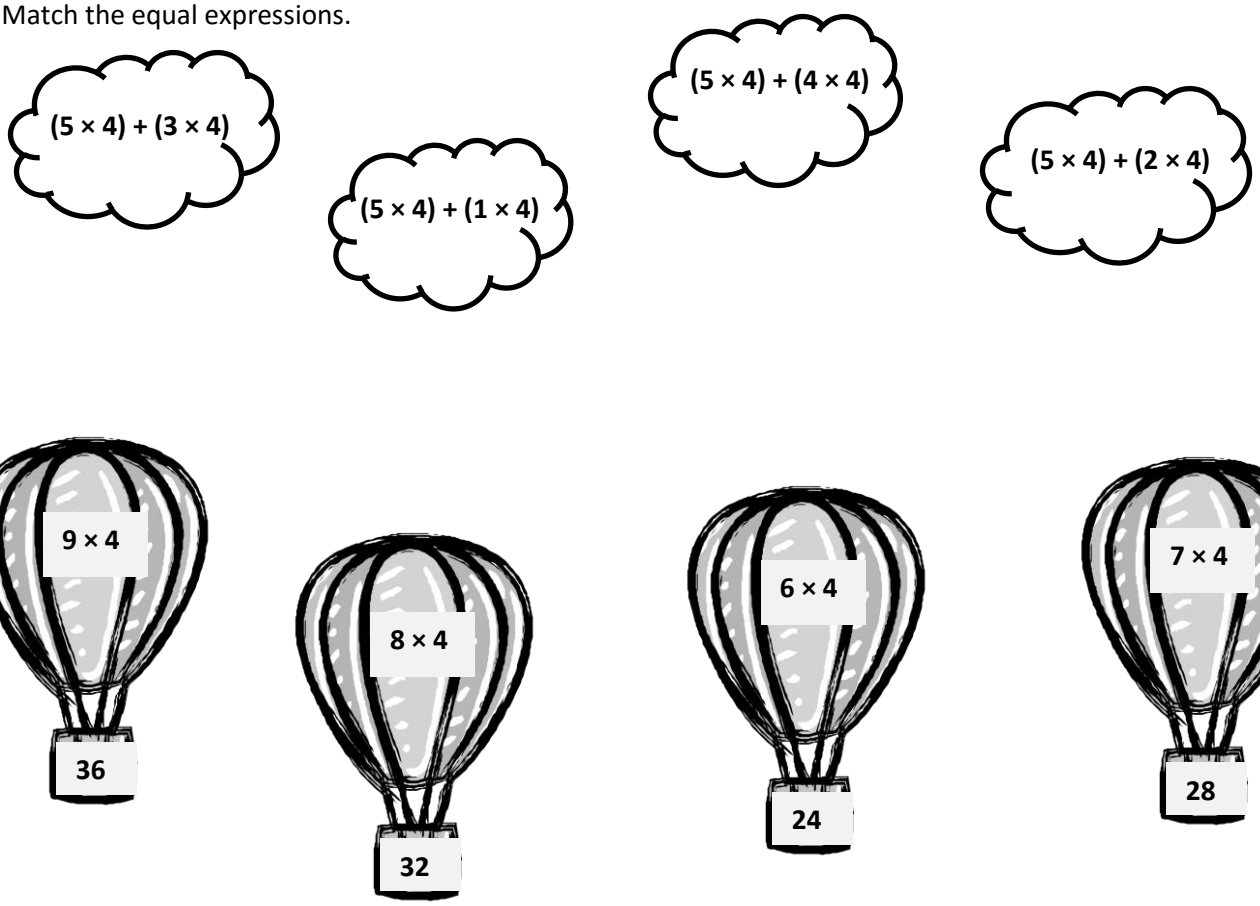
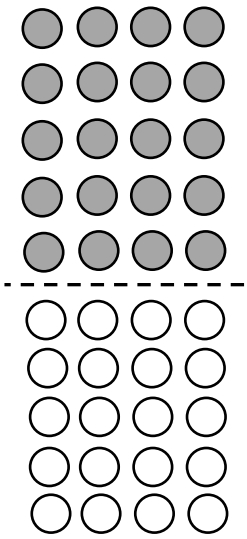
2. Match the equal expressions.



3. Nolan draws the array below to find the answer to the multiplication expression 10 × 4. He says, "10 × 4 is just double 5 × 4!" Explain Nolan's strategy.



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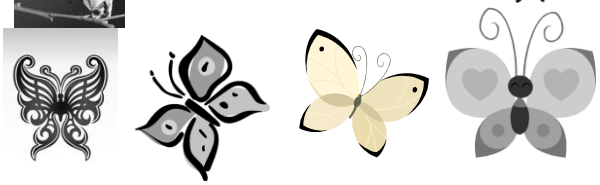
Name _____ Date _____

1. Use the array to complete the related equations.

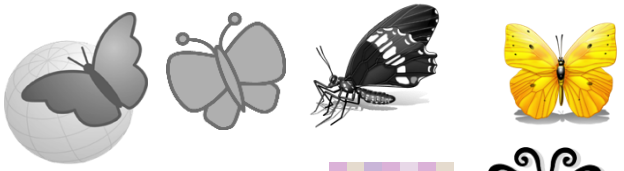
1 × 4 = 4 4 ÷ 4 = 1

2 × 4 = _____ _____ ÷ 4 = 2



_____ × 4 = 12 12 ÷ 4 = _____

_____ × 4 = 16 16 ÷ 4 = _____



_____ × _____ = 20 20 ÷ _____ = _____

_____ × _____ = 24 24 ÷ _____ = _____

_____ × 4 = _____ _____ ÷ 4 = _____

_____ × 4 = _____ _____ ÷ 4 = _____

_____ × _____ = _____ _____ ÷ _____ = _____

_____ × _____ = _____ _____ ÷ _____ = _____

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2. The baker packs 36 bran muffins in boxes of 4. Draw and label a tape diagram to find the number of boxes he packs.

3. The waitress arranges 32 glasses into 4 equal rows. How many glasses are in each row?

4. Janet paid $28 for 4 notebooks. Each notebook costs the same amount. What is the cost of 2 notebooks?

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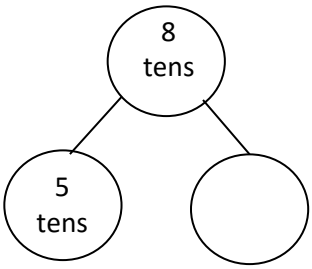
Name _____ Date _____

1. 8 × 10 = _____



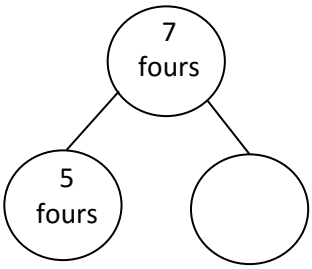
5 tens + _____ = 8 tens

(5 × 10) + (_____ × 10) = 8 × 10

50 + _____ = _____

8 × 10 = _____

2. 7 × 4 = _____



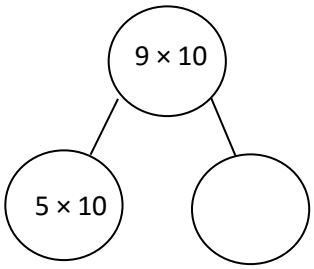
5 fours + _____ = 7 fours

(5 × 4) + (_____ × 4) = 7 × 4

20 + _____ = _____

7 × 4 = _____

3. 9 × 10 = _____



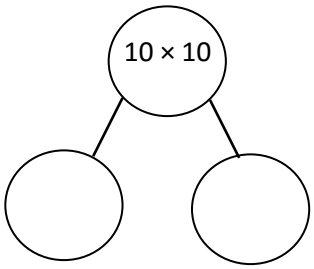
5 tens + _____ = 9 tens

(5 × 10) + (_____ × 10) = 9 × 10

_____ + _____ = _____

9 × 10 = _____

4. 10 × 10 = _____



_____ + _____ = 10 tens

(_____ × 10) + (_____ × 10) = 10 × 10

_____ + _____ = _____

10 × 10 = _____

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5. There are 7 teams in the soccer tournament. Ten children play on each team. How many children are playing in the tournament? Use the break apart and distribute strategy, and draw a number bond to solve.

There are _____ children playing in the tournament.

6. What is the total number of sides on 8 triangles?

7. There are 12 rows of bottled drinks in the vending machine. Each row has 10 bottles. How many bottles are in the vending machine?

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