Pear Assessment

Lessons 4-6 Focus Problem HW

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1 For which situation is the total number of marbles shown by 6 x 3?

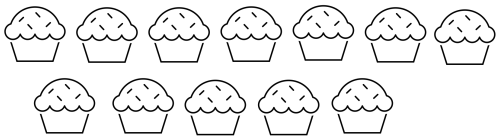
(A) Peter has 6 marbles and gives Mike 3 marbles.

(B) Peter gives 3 marbles to each of his 6 friends.

(C) Peter wins 3 marbles from Mike and 6 marbles from Sam.

(D) Peter has 3 friends and 6 marbles.

2 A bakery is displaying 12 cupcakes on shelves.



Which **two** arrangements could the bakery use to display all 12 cupcakes equally on each shelf?

[A] 6 x 2

[B] 2 x 12

[C] 3 x 4

[D] 12 x 2

3 Carly buys 4 packages of bouncy balls. Each package contains 8 balls. Which equation represents the total number of bouncy balls Carly buys?

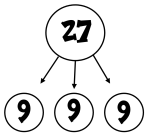
(A) 4 x 8 = 32

(B) 8 x 8 = 32

(C) 4 - 8 = 32

(D) 4 + 8 = 32

4 Consider the model.



Which **TWO** expressions represent the model?

A 27 x 3

B 3 x 9

C 27 x 9

D 9 + 9 + 9

E 27 - 9

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5 Joey was skip-counting by fives. He named the numbers listed below.

5, 10, 15, 20, __, 30, 35

Which expression could be used to find the missing number in the pattern?

A 5 x 25

B 5 x 5

C 5 x 2

D 5 x 10

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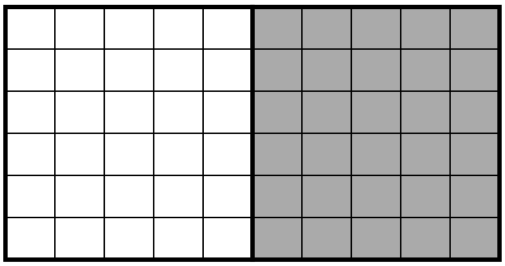
6 A party planner has 10 packs of balloons, some are blue and some are purple. Each pack contains 6 balloons.



If the party planner has 5 packs of blue balloons and 5 packs of purple balloons, how many total balloons does the party planner have and why?

(A) The party planner has 30 balloons because (5 x 6) + (5 x 6) = 30 x 30

(B) The party planner has 30 balloons because (5 x 6) + (5 x 6) = 30 + 30

(C) The party planner has 60 balloons because (5 x 6) + (5 x 6) = 30 x 30

(D) The party planner has 60 balloons because (5 x 6) + (5 x 6) = 30 + 30

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7 A teacher buys four boxes of pens. Each box contains 4 pens. Which statement explains how many pens the teacher buys?

(A) The teacher buys 8 pens because 4 x 4 = 8

(B) The teacher buys 8 pens because 4 + 4 = 8

(C) The teacher buys 16 pens because 4 + 4 = 16

(D) The teacher buys 16 pens because 4 x 4 = 16

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8 Which expressions equal 18? (**Select THREE answers)**

[A] 2 x 9

[B] 4 x 4

[C] 6 x 3

[D] 18 x 0

[E] 1 x 18

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9 Which statement correctly explains the product of 6 fives?

(A) 6 fives is equal to 11 because 6 + 5 = 11

(B) 6 fives is equal to 1 because 6 – 5 = 1

(C) 6 fives is equal to 30 because 6 x 5 = 30

(D) 6 fives is equal to 35 because 6 x 5 = 35

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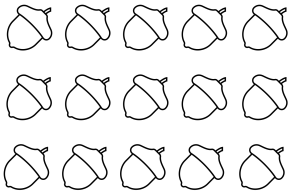
10 Study the array of pumpkins.



Which multiplication sentence is *best* represented by the array?

(A) 4 x 3= 12

(B) 4 x 5= 20

(C) 5 x 5= 25

(D) 5 x 3= 15

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11 The library has 3 bookshelves. Each shelf has 9 books. Parker says that there are 12 books in all. Is he correct? Why?

(A) Parker is incorrect because 3 x 9 = 25

(B) Parker is correct because 3 x 9 = 12

(C) Parker is correct because 3 + 9 = 12

(D) Parker is incorrect because 3 x 9 = 27

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12 Which **TWO** sets have a total of 24 objects?

A 24 groups with 1 object in each group

B 12 groups with 10 in each group

C 14 groups with 12 in each group

D 8 groups with 3 in each group

E 2 groups with 20 in each group

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13 4 x 3 = 3 x 4

A True

B False

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14 7 x 0 = 7

A True

B False

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15 1 x 8 = 8

A True

B False

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16 5 x 2 = (4 x 2) + (1 x 5)

A True

B False

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17 Which situation below represents the expression 6 x 2?

(A) Beth has 6 cupcakes. She eats 2 of them. How many cupcakes does she have left?

(B) Max has 6 sisters and 2 brothers. How many siblings does he have in all?

(C) David walks 6 miles on Monday and 2 miles on Tuesday. How many total miles does he walk?

(D) Lisa makes 6 sundaes. Each sundae has 2 cherries. How many cherries does she have in all?

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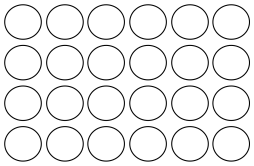
18 Study the model below.



Which equation below correctly represents the model?

(A) 7 x 4 = 28

(B) 5 x 6 = 30

(C) 6 x 4 = 24

(D) 6 x 3 = 18

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19 Study the equation.

5 + 5 + 5 + 5 = 20

Which multiplication expression represents the equation above?

(A) 5 x 3

(B) 4 + 5

(C) 4 x 5

(D) 2 x 5

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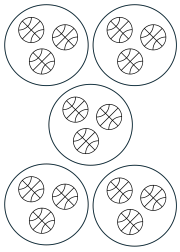
20 Fill in the blanks to describe the model below.



There are 1 groups of 2 basketballs. There are 3 basketballs in all.

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21 Use the properties of multiplication to match the facts in the left column to a fact of equal value in the right column. Draw a line to match each fact.

		7 x 4	0	(5 x 6) + (5 x 6)
A	0 x 3	○	○	○
B	4 x 7	○	○	○
C	5 x 12	○	○	○

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22 Coach Hill has 6 shelves. He places 7 balls on each shelf. Which expression represents the total number of balls Coach Hill has on the shelves?

(A) 7 + 7 + 7 + 7 + 7 + 7

(B) 7 x (3 + 3)

(C) 6 + 7

(D) 7 x 7

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23 What is the missing number in the equation and why?

9 x 3 = ____ x 3

(A) 9; because you cannot change the order of the factors and the product stays the same.

(B) 9; because you can change the order of the factors and the product stays the same.

(C) 3; because you can change the order of the factors and the product stays the same.

(D) 27; because you cannot change the order of the factors and the product stays the same.

24 Add.

$192 + 749 =$ ☐

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25 What is 673 rounded to the nearest ten?

(A) 600

(B) 670

(C) 680

(D) 700

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26 Subtract.

$651 - 376 =$ ☐

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27 What is 345 rounded to the nearest 100 ?

(A) 300

(B) 340

(C) 350

(D) 400

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28 There are 425 boys and 510 girls in Hank's school. How many more girls are there than boys?

☐

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29 On Monday 56 boys and 37 girls ate pizza during lunch at school.

How many students ate pizza? ☐ students ate pizza.
