Learning Outcome:
Write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them.
5.OA.A.2

1 Rewrite the given comparison as a multiplication equation.
"42 is 6 times as large as 7"

a) $42 = 6 \times 7$ ☐ b) $42 = 6 + 7$ ☐

c) $7 = 42 \div 6$ ☐ d) $6 = 42 \div 7$ ☐

2 Select the appropriate statement for the given expression.
$(84 - 56) \div 4$

a) 84 decreased by 56, then divided by 4 ☐

b) Adding 84 and 56, then divided by 4 ☐

c) 84 reduced by the product of 56 and 4 ☐

d) 84 divided by 56 times 4 ☐

3 Select the correct expression.
"Add the difference of 36 and 24 to the product of 3 and 13"

a) $(3 \times 13) + (36 - 24)$ ☐

b) $(36 \times 24) + (13 - 3)$ ☐

c) $(3 \times 13) + (24 - 36)$ ☐

d) $(36 - 24) + (3 \times 13)$ ☐

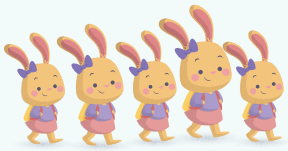
4 Choose two numbers from the box and fill in the blanks to get the answer.

5, 6, 7, 8

____ times ____ gives 48

5 You have found a candy packet in the treasure cave. Write the appropriate expression to distribute the 25 candies equally among the 5 siblings.

25 candies



5 siblings

6 Match the following statements and expressions.

3 times 4 raised to the power of 2 ○	○ $3 \div 4^2$
3 divided by 4 raised to the power of 2 ○	○ $3 - 4 \div 2$
3 added to the product of 4 and 2 ○	○ 3×4^2
3 minus 4 divided by 2 ○	○ $3 + 4 \times 2$

7 Every time Brandon goes to the bakery, he brings home 3 pastries and 2 cookies. Write the expression for how many items he brought home if he went to the bakery 'n' times this month. Fill the appropriate operators in the boxes.

( ☐ ) ☐ n

(Use this space for any rough work)

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5.OA.A.2

Aunt Lily, a neighbor of yours, got to know about how smartly you solved the mystery and is now asking for your help in keeping track of her expenses. Aunt Lily has a good memory, but is not good with math. Let's help Aunt Lily save money.

1 Aunt Lily: "This month I purchased milk 5 times. I remember that each time I gave them 50 cents, they returned 20". Write an expression to help her find the total amount she spent on milk this month.

2 Aunt Lily: "I went to the City Mall last Sunday with my 2 friends. We paid $120 in total for the movie tickets and popcorn. Afterward, we had food for $90. We split the money equally. Later, I redeemed my voucher of $20". Help her calculate the money she spent altogether by writing an expression to figure out the amount spent.

3 Aunt Lily: "On the first weekend of the month, I went for a shopping trip. I bought 2 jackets, and 2 pairs of shoes, each worth $60 and $35 respectively. While returning home, I bought fruits worth $10 and 3 packets of salt, worth $2 each". Write an expression to figure out the amount spent.

4 Aunt Lily: "I bought a Christmas tree worth $10 that has 5 branches in it. I decorated each branch with lights worth $4. I also bought a tree stand worth $3". Help Aunt Lily calculate her total expenditure on the Christmas tree.

5 While going to the office, Aunt Lily's husband left her a note on the table, explaining his personal expenses of the previous month. His expenses include coffee for $16, and 50 meals (with each meal costing him $5, and a $3 rebate from his company on each meal). Let's help her understand the note by writing the appropriate statement.

$16 + [50 \times (5 - 3)]$

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You are now a famous adventurer. With your decoding skills, create your own code language to make statements like the ones mentioned on the doors.

Tick the correct expression.

2 added to 3 times 5 :	☐ 2 + (3 × 5)	or	☐ (2 + 3) × 5
10 divided by 5 added to 5 :	☐ 10 ÷ (5 + 5)	or	☐ (10 ÷ 5) + 5

Do you think the statements are clear enough to make the correct mathematical expressions? (Yes/No)

Develop your own code words to represent mathematical operations as statements. Your operations should not be confusing like the statements mentioned above.

For example:

"*5 times 6 divided by 3*" can be written as "*5 scup 6 kreab 3*" in a code language where the code words '*scup*' means '*times*' and '*kreab*' means '*divided by*'.

Write your code words in the table below.

Operations	Your Code Words
+	
-	
÷	
×	
( )	

Now, using your code language, create:

a) One expression with one operation

Expression	Statement

b) Two expressions with two operations

Expression	Statement

c) One expression with three operations and a pair of parentheses

Expression	Statement

(Use this space for rough work)