

Unit 2 Module 3 Session 1

Problem String- Doubling

Problems and Investigations- Sharing Story Problems

Assessment- Pet Store Story Problems Work Sample

Getting Ready-

- ***™ T1 Pet Store Story Problems***
- ***SB 57 Multiplication Table***
- ***Student Math Journals***
- ***Yellow Colored Pencils (class set)***
- ***Chart Paper (see preparation)***
- ***Paper Multiples Strips 2-10 for reference***

VOCABULARY

Equation

Factor

Multiple

Product



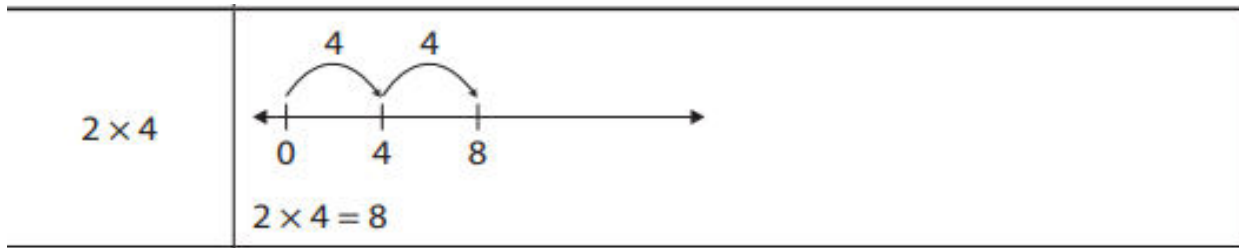
- Solve multiplication story problems with products to 100 involving situations of equal groups
- Solve for the unknown (variable) in a multiplication equation involving 3 whole numbers
- Solve division problems by finding an unknown factor

JOURNALS PLEASE



Problem String: Doubling Today's Date

Sample



2 jumps of four equals 8
2 groups of 4 equals 8



3 x 4

Sample Strategies



6 x 4

Sample Strategies



4 × 4





8×4

Sample Strategies



5 × 4

Sample Strategies



10 × 4

Sample Strategies

WORKBOOK
PAGE 57 PLEASE



We'll be looking for **Doubling Facts**

What number will you look for if you are **Doubling**?

Name some of those facts

Let's color all the **Doubling Facts** yellow

Are there any other facts that are easy to solve?

Trace your finger along the 0's facts

Trace your finger along the 1's facts
These will remain white.

We will color the other facts in during other sessions.



Multiplication Table

×	0	1	2	3	4	5	6	7	8	9	10
0	0 × 0 0	0 × 1 0	0 × 2 0	0 × 3 0	0 × 4 0	0 × 5 0	0 × 6 0	0 × 7 0	0 × 8 0	0 × 9 0	0 × 10 0
1	1 × 0 0	1 × 1 1	1 × 2 2	1 × 3 3	1 × 4 4	1 × 5 5	1 × 6 6	1 × 7 7	1 × 8 8	1 × 9 9	1 × 10 10
2	2 × 0 0	2 × 1 2	2 × 2 4	2 × 3 6	2 × 4 8	2 × 5 10	2 × 6 12	2 × 7 14	2 × 8 16	2 × 9 18	2 × 10 20
3	3 × 0 0	3 × 1 3	3 × 2 6	3 × 3 9	3 × 4 12	3 × 5 15	3 × 6 18	3 × 7 21	3 × 8 24	3 × 9 27	3 × 10 30
4	4 × 0 0	4 × 1 4	4 × 2 8	4 × 3 12	4 × 4 16	4 × 5 20	4 × 6 24	4 × 7 28	4 × 8 32	4 × 9 36	4 × 10 40
5	5 × 0 0	5 × 1 5	5 × 2 10	5 × 3 15	5 × 4 20	5 × 5 25	5 × 6 30	5 × 7 35	5 × 8 40	5 × 9 45	5 × 10 50
6	6 × 0 0	6 × 1 6	6 × 2 12	6 × 3 18	6 × 4 24	6 × 5 30	6 × 6 36	6 × 7 42	6 × 8 48	6 × 9 54	6 × 10 60
7	7 × 0 0	7 × 1 7	7 × 2 14	7 × 3 21	7 × 4 28	7 × 5 35	7 × 6 42	7 × 7 49	7 × 8 56	7 × 9 63	7 × 10 70
8	8 × 0 0	8 × 1 8	8 × 2 16	8 × 3 24	8 × 4 32	8 × 5 40	8 × 6 48	8 × 7 56	8 × 8 64	8 × 9 72	8 × 10 80
9	9 × 0 0	9 × 1 9	9 × 2 18	9 × 3 27	9 × 4 36	9 × 5 45	9 × 6 54	9 × 7 63	9 × 8 72	9 × 9 81	9 × 10 90
10	10 × 0 0	10 × 1 10	10 × 2 20	10 × 3 30	10 × 4 40	10 × 5 50	10 × 6 60	10 × 7 70	10 × 8 80	10 × 9 90	10 × 10 100

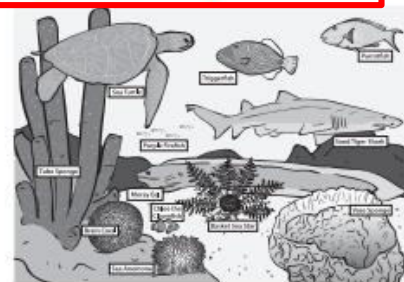
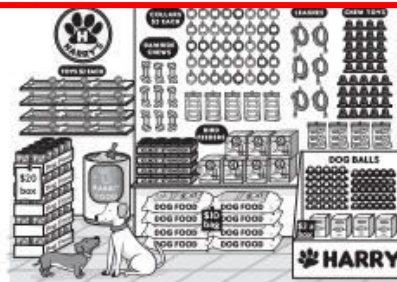
- ☐ Zero facts (× 0)
- ☐ Ones facts (× 1)
- ☒ Doubles facts (× 2)
- ☐ Doubles Plus One Set facts (× 3)
- ☐ Double-Doubles facts (× 4)
- ☐ Half-Tens facts (× 5)
- ☐ Half-Tens Plus One Set facts (× 6)
- ☐ Double-Double-Doubles facts (× 8)
- ☐ Tens Minus One Set facts (× 9)
- ☐ Tens facts (× 10)

Pass out the Pet Store Story Problems Work Sample



Pet Store Story Problems Work Sample

Write an expression to represent each problem. Solve each. Show your thinking with words, pictures, or numbers. Label your answers with the correct units.



- Isabel bought dog collars for some of the dogs at the Humane Society. She bought 8 collars. Each collar cost \$3. How much did the collars cost in all?
- Leon works at the pet store. Today he is putting together bags of doggie treats. He puts 6 treats in each bag. So far he has made 7 bags. How many doggie treats has Leon used so far?
- Chloe and some of the other clownfish are hiding in the sea anemones. There are 28 clownfish hiding in 4 sea anemones. If each sea anemone has the same number of clownfish hiding in it, how many clownfish are hiding in each sea anemone?



LET'S SHARE
OUR STRATEGIES

1) Isabel bought dog collars for some of the dogs at the Humane Society. She bought 8 collars. Each collar cost \$3. How much did the collars cost in all?

2) Leon works at the pet store. Today he is putting together bags of doggie treats. He puts 6 treats in each bag. So far he has made 7 bags. How many doggie treats has Leon used so far?

3) Chloe and some of the other clownfish are hiding in the sea anemones. There are 28 clownfish hiding in 4 sea anemones. If each sea anemone has the same number of clownfish hiding in it, how many clownfish are hiding in each sea anemone?

Work Places

1F Rabbit Tracks

1G Target One Hundred

1H Anything But Five

2A Loops and Groups

2B Frog Jump Multiplication

2C Cover Up

Daily Practice

SB 58 Wendell's Windows

Home Connection

HC 31-32 More Windows