Directions: Solve each problem below, show your work in the work space. **Set #2**
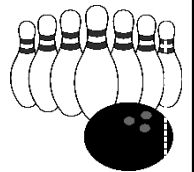
Problem #1:

Lance brought six Visa pens. He had some red, green and black. He had at least one of each color. He had more green than red and more red than black. What was the total number of each color of Visa pens that Lance brought to school?

Answer:

Problem #2:

All of the students at Alicia's school were invited to a PTA "Back to School Bowling" event. Alicia arrived at the bowling alley and was going over prices. It cost $1.75 to rent shoes and $3.50 to bowl one game. Alicia had two dollar bills, ten quarters, five dimes, three nickels and two pennies. Did she have enough money to bowl? If so how much more did she need or how much was left over?

.

Answer:

Problem #3:

Bradley, Dave, Jake, Sam, Terrance and Ty went to play football at the park afterschool. Sam had a doctor's appointment and had to leave the park, but two friends of Jake came by to play with them. By the time they were done playing the amount of players was only half of the original group size. What was the total number of people who left the game?

Answer:

Problem #4:

Zach's teacher asked him to help her organize the storage room in the classroom. But first she wanted him to cover the walls with butcher block paper so that they wouldn't get dusty. Two walls in the closet are 6 feet wide and 2 other walls are 4 feet wide. All four walls are 8 feet high. Find and record the total area of all the walls in the storage room that Zach will have to cover.

Answer:

Challenge Problem #5:

Now that you've been in school for a few days, take a look at your homeroom schedule. How many minutes are there from the time you start your lunch period each day to the time you will be dismissed at the end of the school day? Is it more or less than the time from when you start class each morning to the time that you start your lunch period each day? If so by how many minutes?

Answer:

Multiplication from 1 to 12

NAME _____

SCORE _____

```
    5        4       12        6        8        6        3        7        1        9
  × 11      × 9      × 2      × 12      × 6      × 9      × 4     × 12      × 5      × 7
```

```
    9        3       11        4       11        6        7        6        2        9
  × 3       × 6      × 4      × 4      × 12     × 10      × 5      × 4      × 4     × 10
```

```
    4        4        7       10       11       11        4        4       10        4
  × 2       × 7      × 8      × 4      × 2      × 6      × 5      × 8     × 10      × 1
```

```
    7        5        8       11       12        3        9        3       11        6
  × 2       × 8     × 12      × 3      × 9      × 7      × 4      × 8      × 7     × 11
```

```
    5        6        2        7        8       12       12        2       10        2
  × 7       × 6     × 11      × 7      × 4      × 5      × 4     × 12      × 3      × 3
```

```
    4       12        7       11       12       10       11        6        7        4
  × 11      × 1     × 10     × 11      × 6      × 6      × 8      × 5      × 6     × 12
```
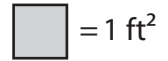
Area of Rectangles (D)

Instructions: Find the area of each rectangle in units².
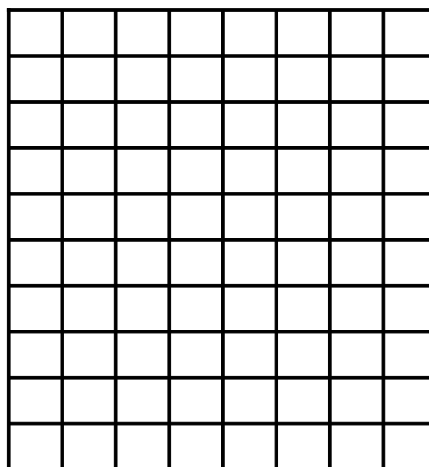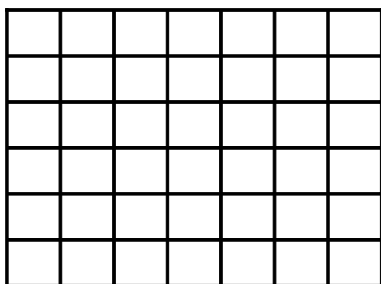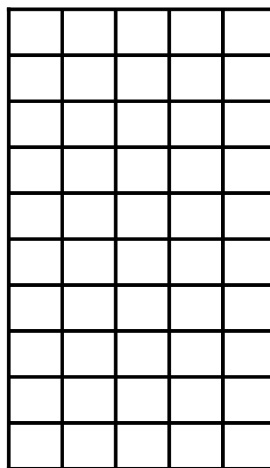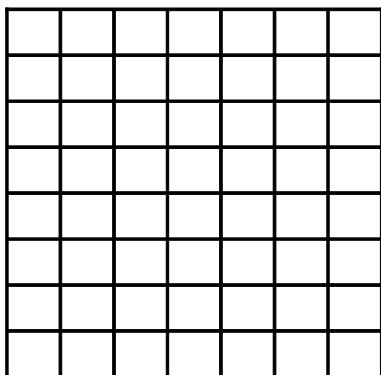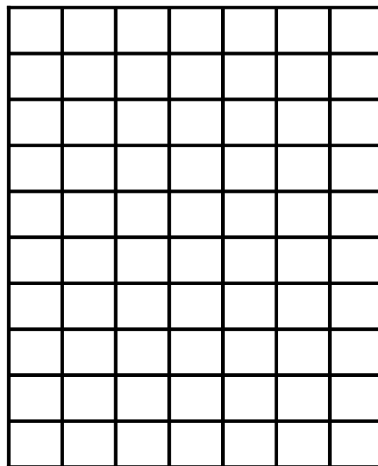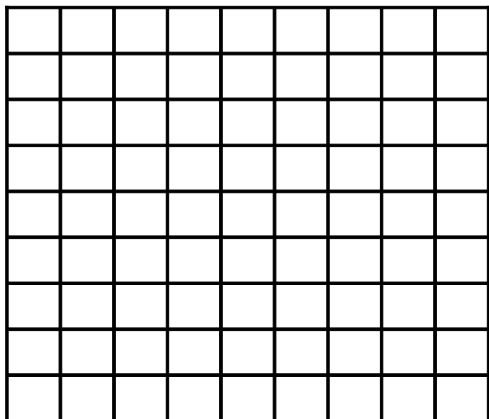
Name : _____

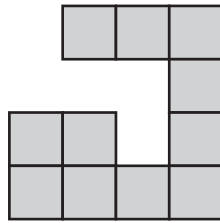## Counting Squares

$\square$ = 1 ft²
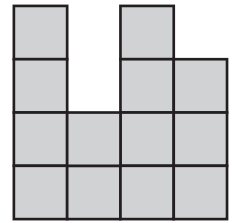
Find the area of each shape by counting the squares.

1)
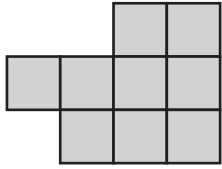
Area = (_____) ft²

2)

Area = (_____) ft²

3)

Area = (_____) ft²

4)
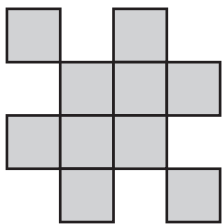
Area = (_____) ft²

5)
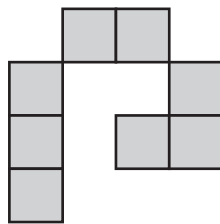
Area = (_____) ft²

6)
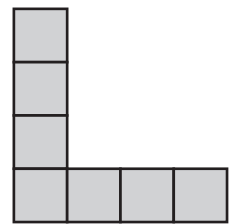
Area = (_____) ft²

7)
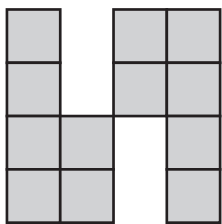
Area = (_____) ft²

8)
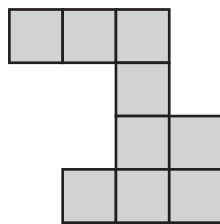
Area = (_____) ft²

9)
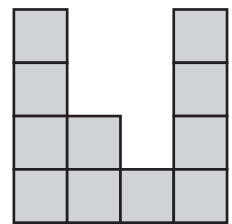
Area = (_____) ft²

10)
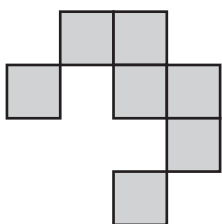
Area = (_____) ft²

11)
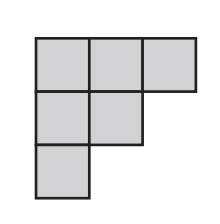
Area = (_____) ft²

12)
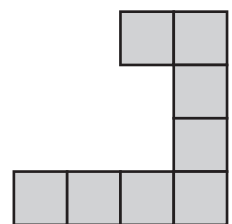
Area = (_____) ft²

13)
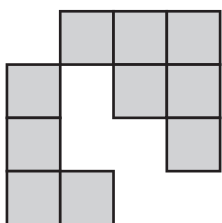
Area = (_____) ft²

14)
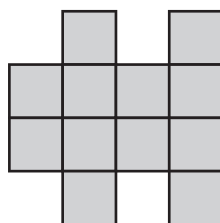
Area = (_____) ft²

15)
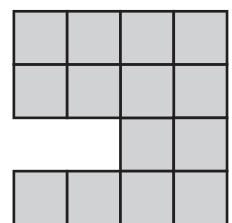
Area = (_____) ft²

Name : _____

Volume - Rectangular Prism

A) Find the volume of each rectangular prism.

1)

16 yd
15 yd
7 yd

Volume = _____

2)

4 ft
11 ft
18 ft

Volume = _____

3)

5 in
19 in
10 in
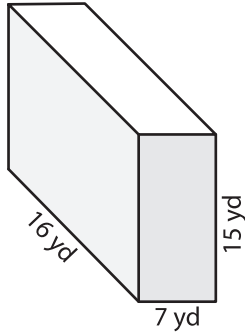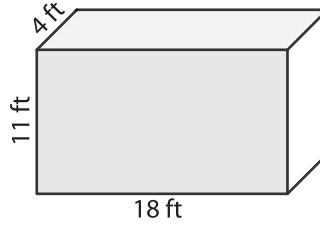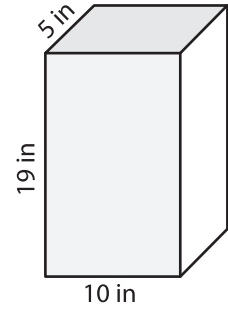
Volume = _____

B) Find the volume of each rectangular prism from the given parameters.

4) width = 4 ft ; height = 15 ft ; length = 8 ft

Volume = _____

5) length = 18 yd ; height = 6 yd ; width = 7 yd

Volume = _____

6) length = 12 in ; width = 3 in ; height = 7 in

Volume = _____

7) height = 14 ft ; width = 5 ft ; length = 9 ft

Volume = _____

8) Find the volume of a rectangular prism whose length, width and height are 20 yards, 17 yards and 13 yards respectively.

_____

Unit 1 Module 2 | Session 5

NAME _____ | DATE _____

🏠 Finding Factors page 1 of 2

1 Find all the factors of each of the numbers below.

ex 15: 1, 3, 5, 15

a 21: _____, _____, _____, _____

b 28: _____, _____, _____, _____, _____, _____

c 42: _____, _____, _____, _____, _____, _____, _____, _____

d 60: _____, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

2 Find at least three multiples for each number below.

ex 15: 30, 45, 60

a 21: _____ , _____, _____

b 25: _____ , _____, _____

c 35: _____, _____, _____

d 42: _____, _____, _____

3 a List all the factors of 36.

b How do you know you have listed them all?

4 Milo is talking to his sister Lisa about factors. He said he thinks that any even number always has more factors than any odd number. Lisa said she doesn't agree with him. Explain who you agree with and why.

(continued on next page)

Unit 1 Module 2 | **Session 5**

NAME _____ | **DATE** _____

Finding Factors page 2 of 2

ex What factors do 12 and 24 have in common? 1, 2, 3, 4, 6, 12

5 What factors do 8 and 12 have in common?

6 What factors do 6 and 4 have in common?

ex What are two multiples that 5 and 6 have in common? 30, 60

7 What are two multiples that 4 and 8 have in common?

8 What are two multiples that 5 and 7 have in common?

9 **CHALLENGE** Huan is redesigning his bedroom, which is the shape of a rectangle.

   a Huan knows the area of his bedroom is 180 square feet. What are all the possible whole number dimensions of Huan's bedroom?

   b Which dimensions are the most likely dimensions for Huan's bedroom? Why?