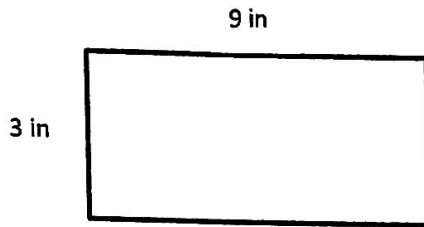Name _____   Date _____

Area and Perimeter Practice
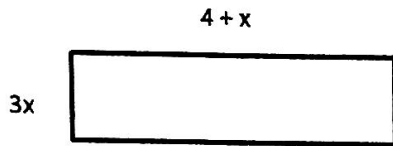
1) Find the perimeter of the rectangle.

9 in

3 in

2) Find the area of the rectangle.

11 mm

5 mm
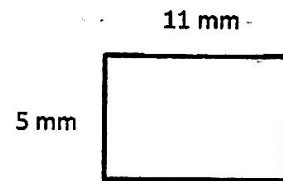
3) Find the perimeter of the rectangle.

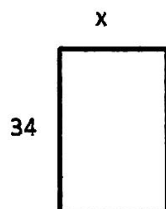$4 + x$

$3x$

4) Find the area of the rectangle.

5 in

x
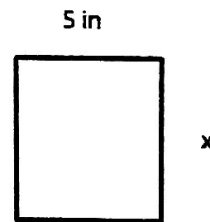
5) Find the missing side length if the perimeter is 80 cm.

x

8
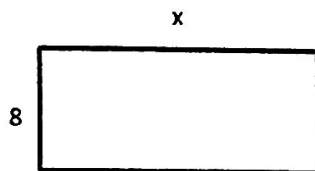
6) Find the missing side length and value of x. The area is 90 cm^2

$2x$

3
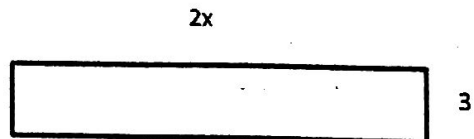
7) Find the missing side length if the perimeter is 120 m.

x

34

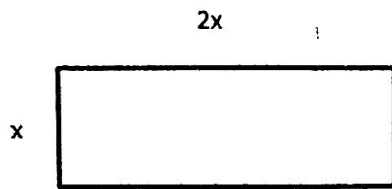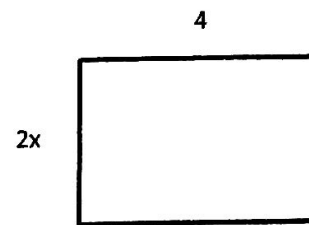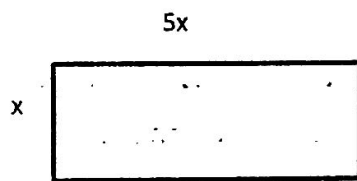**8)** Find the missing side length if the area is 60 cm^2.

10

$2x$
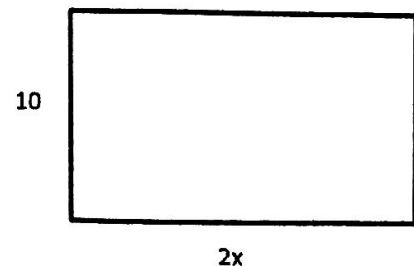
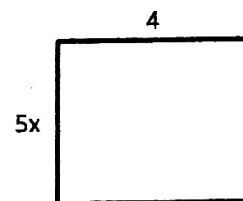9) Find the missing side lengths if the perimeter is 102 in.

2x

x

10) Find the missing side length and the value of x. The area is 84 yd^2

4

2x

11) Find the missing side lengths if the perimeter is 144 ft.

5x

x

12) Find the missing side length and the value of x. The area is 120 mm^2

4

5x

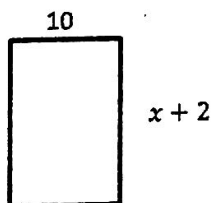13) Find the missing side lengths and the value of x. The perimeter is 112 in.

5x

2x
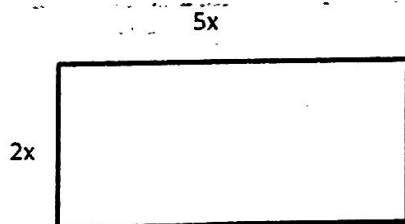
14) Find the missing side length if the area is 144 mi^2

3x

4
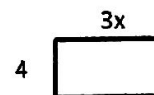
15) Find the missing side length and the value of x. The perimeter is 80 ft.

10

$x + 2$

Challenge:

16) Find the missing side length and the value of x. The area is 160 mi^2.

4x-2

4
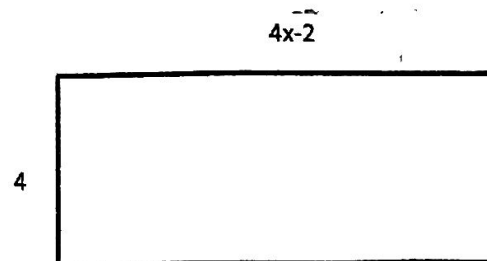
Area:

1) Find the area of the rectangle. To find the area you must _____ the
_____ by the _____.

10 ft

3 ft
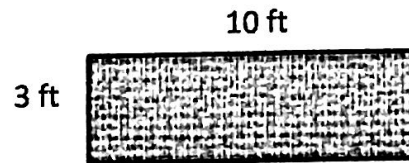
2) Write a simplified expression to represent the area of the rectangle.

y

10
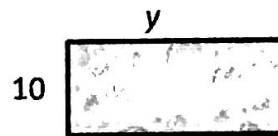
3) The area of the rectangle is 48 m^2. Find the missing side length.

Write an equation:

x

Solve:

8

State your answer:

4) The area of the rectangle is 22 cm^2. Find the missing side length.

Write an equation:

w

Solve:

2

State your answer:

5) The area of the rectangle is 120 m^2. Find the missing side length.

Write an equation:

Solve:

State your answer:

2x

6

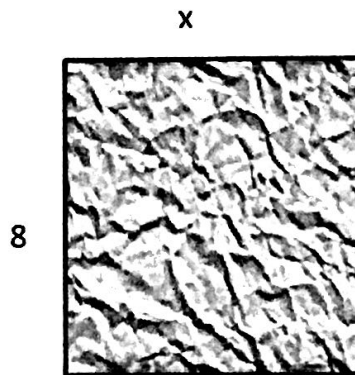6) The area of the rectangle is 108 m^2. Find the missing side length.
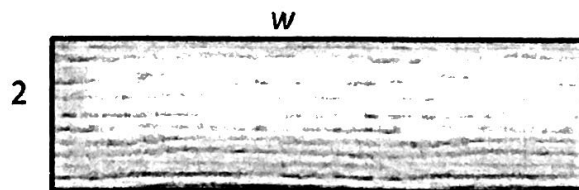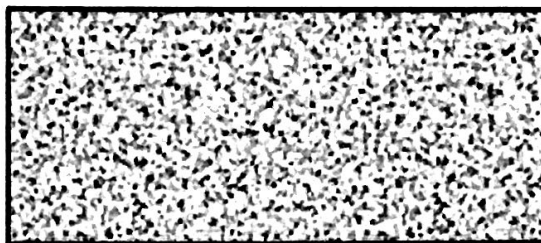
Write an equation:

Solve:

State your answer:

3x

6

7) The area of the rectangle is 120 m^2. Find the missing side length.

Write an equation:

Solve:

State your answer:

8

x+3

8) The area of the rectangle is 108 m^2. Find the missing side length.
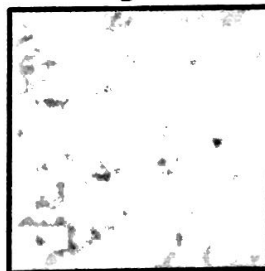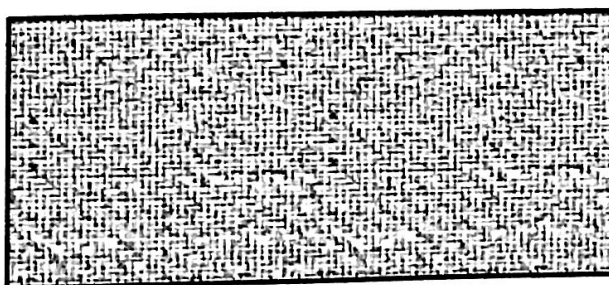
Write an equation:

Solve:

State your answer:

$g - 4$

6

DID YOU HEAR ABOUT THE . . .

1	2	3	4	5
6	7	8	9	10 ?

Solve each problem and find your answer in the answer column. Write the word next to the answer in the box containing the problem number.

1. Matt is thinking of a number. The sum of this number and 7.5 is 38.2. Find Matt's number.

2. Jen is thinking of a number. The product of this number and 3.4 is 176.8. Find Jen's number.

3. Dan is thinking of a number. The quotient of this number and 1.8 is 31.5. Find Dan's number.

4. Amy is thinking of a number. This number decreased by 18.8 is 77.2. Find Amy's number.

5. Zuma earns $12.50 an hour. How many hours must she work to earn $500?

6. Zork goes running four days a week. His goal is to run a total of 25 miles. So far this week he has run 6.7, 4.5, and 7.0 miles. How far must he run on the fourth day?

7. The length of a rectangle is 3 times the width. The perimeter is 65.6 cm. Find the width.

8. One-third of the students at Maxx Middle School play a musical instrument. If 152 students play an instrument, how many students are at the school?

9. The sum of the angle measures of a triangle is 180°. Find the measure of the angle marked with an x.

10. Mr. Mustard had $185 deducted from his earnings for taxes. If he had $576 left after the deduction, how much did he earn?
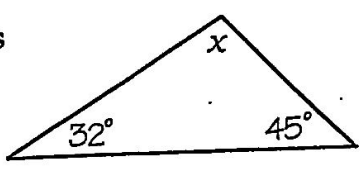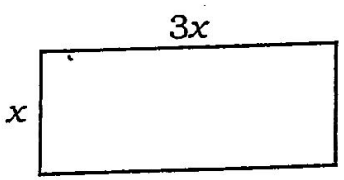
428	FANGS
96	IN
8.2 cm	THE
$742	SPOOK
30.7	VAMPIRE
37.5 h	TROUBLE
$761	DOOR
9.4 cm	BLOOD
40 h	LOVE
52	WHO
456	GIRL
56.7	FELL
7.1 mi	BECAUSE
98°	GOBLIN
6.8 mi	WITH
103°	NECKS
92.4	GOING

Expressions, Equations, and Inequalities:
Problem Solving Using Equations