

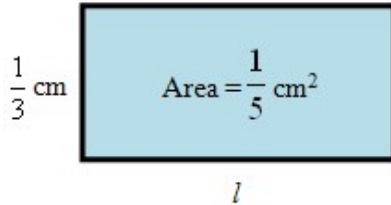
Name: _____

Class/Period: _____

Assignment: Standard HW #15 due 2/4

Teacher: Fletcher

- 1 The diagram shows the width and area of a rectangle.



Find the length of the rectangle.

- 1 $1\frac{2}{3}$ cm
 - 2 $\frac{3}{5}$ cm
 - 3 $\frac{1}{2}$ cm
 - 4 $\frac{1}{15}$ cm
- 2 The relationship between the number of pencils and the number of pens in Sophie's pencil case can be represented using the ratio 6:10. Which of the following ratios is **not** equivalent to this ratio?
- 1 3:5
 - 2 9:15
 - 3 12:20
 - 4 24:30
- 3 A box of pasta contains 16 ounces of pasta. If one serving weighs $\frac{1}{3}$ ounce, how many servings are in one box of pasta?
- 1 64
 - 2 48
 - 3 18
 - 4 12
- 4 Pasquale types at a rate of 60 words per minute. If he types at a constant rate, how many words can Pasquale type in 4 minutes?
- 1 15
 - 2 56
 - 3 64
 - 4 240
- 5 Which statement below is true?
- 1 The absolute value of 3 is larger than the absolute value of -3.75
 - 2 The absolute value of 3 is smaller than the absolute value of -3.75
 - 3 The absolute value of 3 is equal to the absolute value of -3.75
 - 4 The absolute value of 3 and -3.75 cannot be determined.

6 Divide and answer in simplest form: $\frac{1}{8} \div 6$

1 $\frac{1}{24}$

2 $\frac{6}{8}$

3 $\frac{12}{48}$

4 $\frac{1}{48}$

7 How many $\frac{1}{2}$ inch long steel stakes can Curtis cut from a piece of steel that is 26 inches long?

1 125

2 52

3 10

4 5

8 Evaluate $|-6|$ and explain what the answer means.

1 6; the opposite of -6

2 6; the distance that -6 is from zero

3 -6; the opposite of 6

4 -6; the distance that 6 is from 0

9 Taylor does jumping jacks at a rate of 50 jumping jacks per minute. If Taylor completes her jumping jacks at a constant rate and has done 150 jumping jacks, which method can be used to determine how many minutes Taylor has been doing jumping jacks for?

1 add 50 and 150

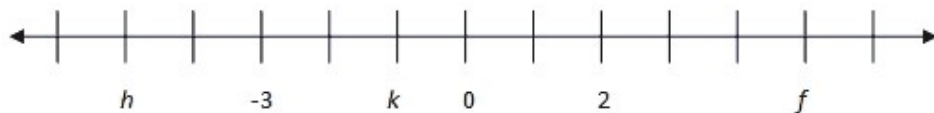
2 subtract 50 from 150

3 multiply 50 and 150

4 divide 150 by 50

10 Refer to the number line below. Which symbol would make the following statement true?

$$-3 \quad \underline{\hspace{1cm}} \quad h$$



1 $>$

2 \leq

3 $=$

4 $<$

- 11 Mindy is reading a book that is 430 pages. If she wants to read 30% of her book tonight, which equation can be used to determine how many pages Mindy needs to read, x ?

1 $\frac{x}{430} = \frac{30}{100}$

2 $\frac{430}{x} = \frac{30}{100}$

3 $\frac{430}{100} = \frac{30}{x}$

4 $\frac{30}{x} = \frac{430}{100}$

- 12 The ratio of the number of roses to the number of tulips in a bouquet is 5 to 2, and this is shown in the table below.

Flower Bouquets

# of Roses	# of Tulips
15	6
20	x
30	12

What is the value of x in the table above?

- 1 1.7
2 2.8
3 3.9
4 4.10