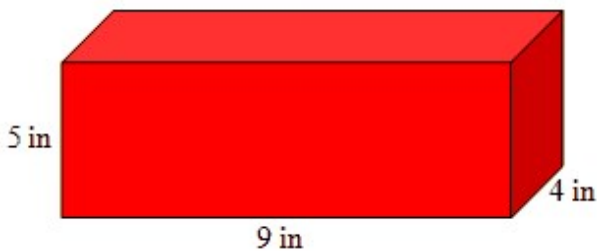


HW # 9

1. Lisa has $8\frac{3}{5}$ pounds of rice. She used $2\frac{1}{2}$ pounds making paella for a party. How much rice does Lisa have left?

1. $5\frac{4}{5}$
2. $6\frac{1}{10}$
3. $5\frac{7}{10}$
4. $6\frac{3}{7}$

2. Find the surface area of the prism.



1. 202 in^2
2. 180 in^2
3. 98 in^2
4. 360 in^2

3. Which of the following expresses the ratio 2 in : 40 ft in simplest form?

1. 2 in : 40 ft
2. 1 in : 40 ft
3. 20 in : 2 ft
4. 1 in : 20 ft

4. If a baseball player got 9 hits in 27 at-bats, what is his ratio of hits to at-bats, in lowest terms?

Answer:

:

5. What is the greatest common factor of 12 and 56?

Answer:

6. What is the least common multiple of 2, 4 and 8?

1. 8
2. 16
3. 24
4. 32

7. Look at each expression. Is it correctly rewritten using the distributive property? Select **Yes** or **No** for expressions A through D.

- A. $70 + 14 = 7(10 + 14)$ Yes No
- B. $20 + 80 = 20(1 + 4)$ Yes No
- C. $6 + 21 = 3(2 + 7)$ Yes No
- D. $24 + 30 = 8(3 + 4)$ Yes No

8. The ratio of the number of number of carrots to the number of onions in a soup is presented in the table below. Which of the following choices correctly identifies this ratio in *simplest form*?

# of Carrots	# of Onions
18	3
30	5
36	6

1. 18:3 2. 12:2
3. 1:6 4. 6:1

9. A recipe calls for two cups of sugar for every three eggs used. Which table shows this ratio?

1.

Cups of Sugar	# of Eggs
4	6
8	9
10	15

2.

Cups of Sugar	# of Eggs
4	6
6	9
8	15

3.

Cups of Sugar	# of Eggs
4	6
8	12
10	15

4.

Cups of Sugar	# of Eggs
6	4
12	8
15	10

10. 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.

<i>Flower Bouquets</i>	
# of Roses	# of Tulips
15	6
20	x
30	12

What is the value of x in the table above?

1. 7
2. 8
3. 9
4. 10