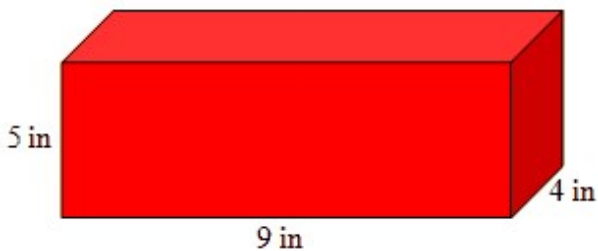


HW # 9 Honors

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. 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

6. 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

7. 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


8. 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.

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

What is the value of x in the table above?

- 7
 - 8
 - 9
 - 10
9. Two whole numbers have a least common multiple of 120.
- Each number is less than or equal to 24.
 - The greatest common factor of the two numbers is 4.

What are the two numbers?

- 8 and 12
 - 5 and 24
 - 20 and 24
 - 24 and 30
- 10.
- 
- Tiara must buy the *same* number of red and pink flower bulbs. The red bulbs are sold 6 in a package. Pink bulbs are sold 10 in a pack. What is the *least* number of bulbs of each color that Tiara can buy?
- 30
 - 60
 - 90
 - 100

11. Travis eats 28 cookies in 4 weeks, eating the same number of cookies each week. Dylan eats 24 cookies in 3 weeks, eating the same number of cookies each week. Which statement correctly compares the number of cookies per week they each ate?
- Dylan ate 2 more cookies per week than Travis.
 - Dylan ate 1 more cookie per week than Travis.
 - Travis ate 4 more cookies per week than Dylan.
 - Travis ate 1 more cookie per week than Dylan.

12. Mrs. Johnson made a list of school supplies. She wants to give out the supplies to as many students as possible. Each student must receive an *equal* number of each item.

Mrs. Johnson's Supplies

Crayons	48
Markers	168
Packs of paper	24
Pencils	120

What is the greatest number of students that can receive supplies?

Answer: