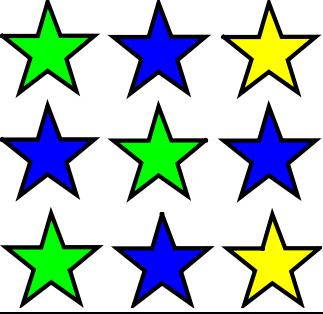


Ratio: Skill 5 - 25A

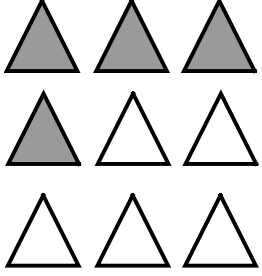
Answer to test question 25A.
 What is the ratio of the total number of stars to the number of blue stars?



Answer:
 9 to 4 or 9:4

There are a total of 9 stars. There are 4 blue stars. So, the ratio of total stars to blue stars is 9 to 4.

A ratio is a comparison of two quantities.

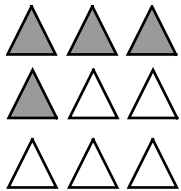


What is the ratio of gray triangles to white triangles?

The ratio is 4 to 5.

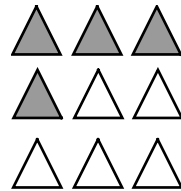
There are Three Kinds of Ratios

Part to Part



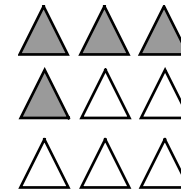
The ratio of gray triangles to white triangles is 4 to 5.
 Write it three ways.
 4 to 5
 4:5
 $\frac{4}{5}$
 read: four to five

Part to Whole



The ratio of gray triangles to the total number of triangles is 4 to 9.
 Write it three ways.
 4 to 9
 4:9
 $\frac{4}{9}$
 read: four to nine

Whole to Part




The ratio of the total number of triangles to gray triangles is 9 to 4.
 Write it three ways.
 9 to 4
 9:4
 $\frac{9}{4}$
 read: nine to four


Directions: Write each ratio. Write each answer three ways. The first three are already completed as examples.

1. What is the ratio of gray triangles to white triangles? 

Answer: There are two gray triangles and 5 white triangles so the ratio of gray triangles to white triangles is 2 to 5. The answer can also be written 2:5 or $\frac{2}{5}$.

2. What is the ratio of gray triangles to the total number of triangles? 

There are two gray triangles and 7 total triangles so the ratio of gray triangles to total triangles is 2 to 7, 2:7 or $\frac{2}{7}$.

3. What is the ratio of the total number of triangles to the number of gray triangles? 

There are 7 total triangles and two gray triangles and so the ratio of total triangles to gray triangles to is 7 to 2, 7:2 or $\frac{7}{2}$.

Ratio: Skill 5 - 25A

Directions: Write each ratio. Write each answer three ways on the line.

1. What is the ratio of gray triangles to white triangles?



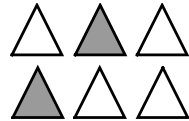
2. What is the ratio of gray triangles to the total number of triangles?



3. What is the ratio of the total number of triangles to the number of gray triangles?



4. What is the ratio of gray triangles to white triangles?



5. What is the ratio of gray cylinders to the total number of cylinders?



6. What is the ratio of the total number of triangles to the number of gray triangles?



7. What is the ratio of gray triangles to the total number of triangles?



8. What is the ratio of gray triangles to white triangles?



9. What is the ratio of black triangles to white triangles?



10. What is the ratio of total triangles to gray triangles?



11. What is the ratio of white triangles to black triangles?



12. What is the ratio of gray cylinders to white cylinders?



Ratio: Skill 5 - 25A

Directions: Write each ratio. Write each answer three ways on the line.

13. What is the ratio of gray cylinders to white cylinders?



14. What is the ratio of the total number of hexagons to the number of white hexagons?



15. What is the ratio of gray cylinders to the total number of cylinders?



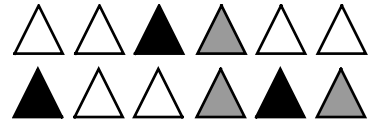
16. What is the ratio of black hexagons to the total number of hexagons?



17. What is the ratio of gray hexagons to black hexagons?



18. What is the ratio of the total number of triangles to the number of gray triangles?



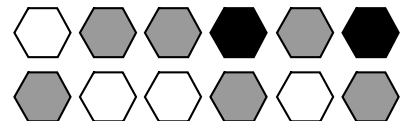
19. What is the ratio of gray triangles to black triangles?



20. What is the ratio of gray triangles to the total number of triangles?



21. What is the ratio of black hexagons to white hexagons?



22. What is the ratio of total triangles to gray triangles?



23. What is the ratio of white triangles to black triangles?



24. What is the ratio of gray cylinders to white cylinders?



Answer Key Skill 25A Grade 5

1. 1 to 2, 1:2, $\frac{1}{2}$

2. 1 to 3, 1:3, $\frac{1}{3}$

3. 3 to 1, 3:1, $\frac{3}{1}$

4. 2 to 4, 2:4, $\frac{2}{4}$

5. 2 to 6, 2:6, $\frac{2}{6}$

6. 6 to 2, 6:2, $\frac{6}{2}$

7. 1 to 9, 1:9, $\frac{1}{9}$

8. 1 to 6, 1:6, $\frac{1}{6}$

9. 1 to 4, 1:4, $\frac{1}{4}$

10. 6 to 3, 6:3, $\frac{6}{3}$

11. 5 to 1, 5:1, $\frac{5}{1}$

12. 2 to 2, 2:2, $\frac{2}{2}$

13. 3 to 3, 3:3, $\frac{3}{3}$

14. 6 to 1, 6:1, $\frac{6}{1}$

15. 3 to 6, 3:6, $\frac{3}{6}$

16. 1 to 5, 1:5, $\frac{1}{5}$

17. 4 to 1, 4:1, $\frac{4}{1}$

18. 12 to 3, 12:3, $\frac{12}{3}$

19. 2 to 4, 2:4, $\frac{2}{4}$

20. 5 to 9, 5:9, $\frac{5}{9}$

21. 2 to 4, 2:4, $\frac{2}{4}$

22. 6 to 1, 6:1, $\frac{6}{1}$

23. 2 to 3, 2:3, $\frac{2}{3}$

24. 1 to 5, 1:5, $\frac{1}{5}$