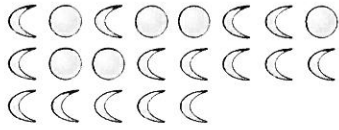


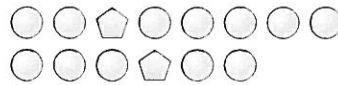


Solve each problem.

Ex) What is the ratio of moons to circles?



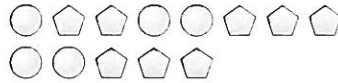
1) What is the ratio of pentagons to circles?



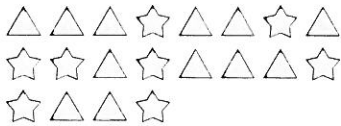
2) What is the ratio of triangles to stars?



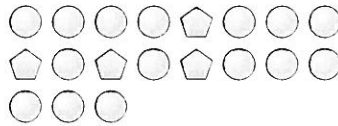
3) What is the ratio of pentagons to circles?



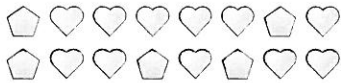
4) What is the ratio of triangles to stars?



5) What is the ratio of circles to pentagons?



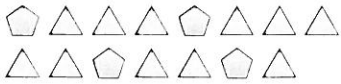
6) What is the ratio of pentagons to hearts?



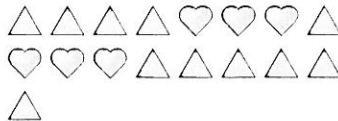
7) What is the ratio of hearts to moons?



8) What is the ratio of pentagons to triangles?



9) What is the ratio of triangles to hearts?



10) What is the ratio of hearts to stars?



11) What is the ratio of stars to moons?



**Answers**

Ex. 15:6

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

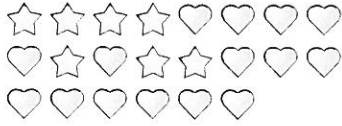
10. \_\_\_\_\_

11. \_\_\_\_\_



Solve each problem.

Ex) What is the ratio of hearts to stars?



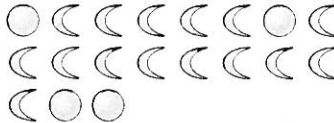
1) What is the ratio of stars to moons?



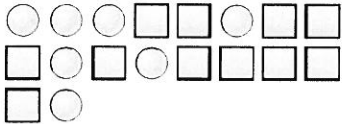
2) What is the ratio of pentagons to hearts?



3) What is the ratio of circles to moons?



4) What is the ratio of squares to circles?



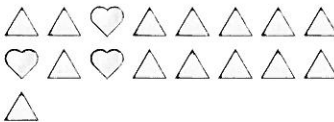
5) What is the ratio of moons to hearts?



6) What is the ratio of triangles to hearts?



7) What is the ratio of triangles to hearts?



8) What is the ratio of squares to triangles?



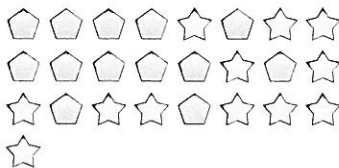
9) What is the ratio of squares to hearts?



10) What is the ratio of triangles to hearts?



11) What is the ratio of pentagons to stars?



Answers

Ex. 15:7

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

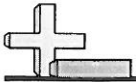
7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

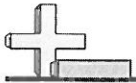


**Solve each problem.**

- Ex) At the burger shop the ratio of regular sodas sold to diet sodas sold was 3:6. For every \_\_\_\_\_ diet sodas sold there are \_\_\_\_\_ regular sodas sold.
- 1) For every 2 males birds in a bird cage there are 5 females. What is the ratio of males to females?
  - 2) At the store the ratio of books sold to movies sold was 8:2. For every \_\_\_\_\_ books sold there were \_\_\_\_\_ movies sold.
  - 3) At the pet store the ratio of dogs to cats was 4:7. For every \_\_\_\_\_ dogs there are \_\_\_\_\_ cats.
  - 4) During the class election the ratio of votes for Tiffany to votes for Jerry was 4:3. For every \_\_\_\_\_ votes Jerry got Tiffany got \_\_\_\_\_.
  - 5) In a bag of candy for every 9 chocolate pieces there are 6 sugar pieces. What is the ratio of chocolate pieces to sugar pieces?
  - 6) For every 6 green apples in an orchard there were 9 red apples. What is the ratio of green apples to red apples?
  - 7) At the movie theater the ratio of small popcorns sold to large popcorns sold was 5:9. For every \_\_\_\_\_ large popcorns sold there are \_\_\_\_\_ small popcorns sold.
  - 8) The ratio of pickles to onions on a burger was 2:4. For every \_\_\_\_\_ pickles there are \_\_\_\_\_ onions.
  - 9) For every 5 cars in a parking lot there are 6 trucks. What is the ratio of cars to trucks in the parking lot?
  - 10) At an icecream shop the ratio of chocolate cones sold to vanilla cones cones sold was 4:3. For every \_\_\_\_\_ vanilla cones sold there were \_\_\_\_\_ chocolate cones sold.
  - 11) For every 4 hamburgers sold at the malt shop there are 2 hotdogs sold. What is the ratio of hotdogs sold to hamburgers sold?
  - 12) For every 8 Wii games Janet owned she had 7 PS3 games. What is her ratio of Wii games to PS3 games?

**Answers**

- Ex.   6     3
1. \_\_\_\_\_
  2. \_\_\_\_\_
  3. \_\_\_\_\_
  4. \_\_\_\_\_
  5. \_\_\_\_\_
  6. \_\_\_\_\_
  7. \_\_\_\_\_
  8. \_\_\_\_\_
  9. \_\_\_\_\_
  10. \_\_\_\_\_
  11. \_\_\_\_\_
  12. \_\_\_\_\_



Reduce each ratio to its lowest form.

Ex) 50 : 35 10 : 7

1) 49 : 21 \_\_\_\_\_

2) 42 : 54 \_\_\_\_\_

3) 12 : 32 \_\_\_\_\_

4) 45 : 20 \_\_\_\_\_

5) 15 : 24 \_\_\_\_\_

6) 12 : 8 \_\_\_\_\_

7) 2 : 16 \_\_\_\_\_

8) 35 : 28 \_\_\_\_\_

9) 20 : 36 \_\_\_\_\_

10) 14 : 63 \_\_\_\_\_

11) 27 : 36 \_\_\_\_\_

12) 70 : 10 \_\_\_\_\_

13) 10 : 60 \_\_\_\_\_

14) 42 : 30 \_\_\_\_\_

15) 48 : 42 \_\_\_\_\_

16) 90 : 10 \_\_\_\_\_

17) 9 : 18 \_\_\_\_\_

18) 5 : 20 \_\_\_\_\_

19) 64 : 72 \_\_\_\_\_

20) 42 : 12 \_\_\_\_\_

**Answers**

Ex. 10 : 7

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

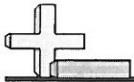
16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

**Solve each problem.**

- 1) A classroom had 35 glue sticks. If the ratio of glue sticks to glue bottles was  $5 : 2$ , how many glue bottles did the classroom have?
- 2) A student finished 8 of her homework problems in class. If the ratio of problems she finished to problems she still had left was  $4 : 1$ , how many homework problems did she have total?
- 3) On a Saturday, a library checked out 52 books. If 24 of the books were fiction, what is the ratio of non-fiction books to fiction books checked out?
- 4) A recipe called for the ratio of sugar to flour to be  $10 : 3$ . If you used 70 ounce of sugar, how many ounces of flour would you need to use?
- 5) At a bake sale there were 72 raisin cookies sold. If the ratio of raisin cookies sold to oatmeal cookies sold was  $9 : 1$ , what is the combined amount of raisin and oatmeal cookies sold?
- 6) Kaleb had 136 songs on his MP3 player. If he deleted 56 songs, what is the ratio of songs he kept to songs he deleted?
- 7) The ratio of red cars to blue cars in a parking lot was  $5 : 3$ . If there were 40 red cars, how many blue cars were there?
- 8) A produce store sold 63 red apples. If the ratio of red apples to green apples sold was  $7 : 2$ , what is the combined amount of red and green apples sold?
- 9) For homework, a student had to complete 15 problems total. If she finished 6 problems in class, what is the ratio of problems she still needs to complete to problems that she's already finished?
- 10) At a farm the ratio of cows to horses was  $9 : 2$ . If there were 72 cows at the farm, how many horses were there?

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_