

MY Homework

Lesson 3

Part of a Set

Homework Helper



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Carolyn has put together gift bags for guests at her party. There are 6 bags in all. What fraction of the set of bags is yellow? What fraction of the set of bags is blue?



The total number of bags is 6. This is the denominator. The numerator for each fractional part is the number of yellow bags and the number of blue bags.

$$\frac{4}{6} \begin{array}{l} \leftarrow \text{yellow bags} \\ \leftarrow \text{total number of bags} \end{array}$$

$$\frac{2}{6} \begin{array}{l} \leftarrow \text{blue bags} \\ \leftarrow \text{total number of bags} \end{array}$$

So, $\frac{4}{6}$ of the gift bags are yellow, and $\frac{2}{6}$ of the gift bags are blue.

Practice

Shade each set to represent the fraction.

1. $\frac{3}{4}$

2. $\frac{4}{6}$

3. $\frac{2}{3}$

4. $\frac{1}{2}$

5. Write a fraction for each part.



$$\frac{5}{8}$$

part that is red

$$\frac{3}{8}$$

part that is *not* red

6. What fraction of the set of balloons is green?



1
3

7. What fraction of the set of books is blue?



3
6

8. What fraction of the set of bees is flying away?



3
8

9. What fraction of the set of signs is square?



2
4



Problem Solving

10. Ramona writes each letter of her first name on separate index cards. What fraction of the cards has a vowel?

3
6

Mathematical PRACTICE 1 **Keep Trying** Bryan has 3 nickels, 3 dimes, and 2 quarters. What fraction of the coins is either a dime or a quarter?

5
8

12. The Morse family went shoe shopping. Harry got a pair of rain boots and a pair of tennis shoes. Kate got a pair of tennis shoes and a pair of sandals. What fraction of the set of new shoes is rain boots?

1
4

Test Practice

13. What fraction of the birds are on the window sill?

(A) $\frac{1}{2}$
 (B) $\frac{3}{8}$

(C) $\frac{4}{8}$
 (D) $\frac{5}{8}$

