

Fractions – Word Problems

1. Lily baked 12 muffins. She gave $\frac{1}{3}$ of them to her neighbor. How many muffins did Lily have left?
2. There were 10 apples in a basket. $\frac{1}{2}$ of the apples were green, $\frac{1}{5}$ were red, and the rest were yellow. How many apples were yellow?
3. Sam had 9 marbles. He lost $\frac{2}{3}$ of them while playing. How many marbles did he have left?
4. Emma invited 8 classmates to her party. $\frac{1}{4}$ wanted juice, $\frac{1}{2}$ wanted milk, and the rest wanted water. How many classmates wanted water?
5. A baker made 12 cupcakes. He sold $\frac{3}{4}$ of them in the morning. How many cupcakes were left?

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6. Noah read 6 books over July and August. He read $\frac{1}{2}$ of them in July. How many books did he read in August?

7. There were 15 stickers on a sheet. $\frac{1}{3}$ were stars and $\frac{1}{5}$ were hearts. The rest were smiley faces. How many stickers were smiley faces?

8. Olivia picked 10 flowers. She gave $\frac{2}{5}$ of them to her teacher. How many flowers did Olivia keep?

9. Ben had 12 toy cars. He put $\frac{1}{4}$ of them in a box and $\frac{1}{2}$ of them on a shelf. How many toy cars were left on the table?

10. A class collected 18 cans for recycling. $\frac{2}{3}$ were collected on Monday. How many cans were collected on the other days?

Fractions – Answer Key

1. The number of muffins given away is $(1/3) \times 12 = 4$.
There are $12 - 4 = 8$ muffins left.
2. The number of green apples is $(1/2) \times 10 = 5$, and the number of red apples is $(1/5) \times 10 = 2$.
There are $10 - (5 + 2) = 3$ yellow apples.
3. The number of marbles lost is $(2/3) \times 9 = 6$.
There are $9 - 6 = 3$ marbles left.
4. The number of classmates who want juice is $(1/4) \times 8 = 2$, and the number who want milk is $(1/2) \times 8 = 4$.
There are $8 - (2 + 4) = 2$ classmates who want water.
5. The number of cupcakes sold is $(3/4) \times 12 = 9$.
There are $12 - 9 = 3$ cupcakes left.
6. The number of books read in July is $(1/2) \times 6 = 3$.
There are $6 - 3 = 3$ books read in August.
7. The number of star stickers is $(1/3) \times 15 = 5$, and the number of heart stickers is $(1/5) \times 15 = 3$.
There are $15 - (5 + 3) = 7$ smiley face stickers.
8. The number of flowers given away is $(2/5) \times 10 = 4$.
There are $10 - 4 = 6$ flowers kept.
9. The number of toy cars in the box is $(1/4) \times 12 = 3$, and the number on the shelf is $(1/2) \times 12 = 6$.
There are $12 - (3 + 6) = 3$ toy cars left on the table.
10. The number of cans collected on Monday is $(2/3) \times 18 = 12$. There are $18 - 12 = 6$ cans collected on the other days.