

Ration Worded Problems Worksheet

Solve the following word problems about ratios. Show your working for each question.

- 1 Sarah has **15** blue Easter eggs and **10** yellow Easter eggs in her basket. What is the ratio of blue eggs to yellow eggs?
- 2 Three friends, Tom, Lily, and Max, share **24** chocolate bunnies in the ratio **2:3:1**. How many bunnies does each friend get?
- 3 For an Easter egg hunt, the number of girls to boys is **5:4**.
If there are **36** children altogether, how many are girls and how many are boys?
- 4 A baker decorates cupcakes using sprinkles and icing in the **ratio 7:2**. If she uses **56** sprinkles, how many units of icing does she use?
- 5 A bag contains red, green, and purple jellybeans in the ratio **3:2:5**. If there are **50 jellybeans** in total, how many of each colour are there?
- 6 Ali and Ben make Easter cards in the ratio **4:5**. If they make **36** cards altogether, how many does each make?
- 7 A group paints eggs using yellow and green paint in the **ratio 6:1**. If they use 63 units of paint altogether, how many units of each colour do they use?
- 8 A sweet pack has chocolates and marshmallows in the **ratio 3:2**. If there are 30 chocolates, how many marshmallows are there?
- 9 Three rabbits share carrots in the **ratio 1:2:3**. If they have **36** carrots, how many does each rabbit get?
- 10 Ribbon rolls are sold in packs with pink and blue ribbons in the **ratio 5:7**. If there are **60** ribbons in a pack, how many are pink and how many are blue?

Answer Key

1. **Blue to yellow eggs:** 15:10 or 3:2
2. **Bunnies for each:** Tom: 8, Lily: 12, Max: 4
3. **Girls and boys:** Girls: 20, Boys: 16
4. **Sprinkles to icing:** 16 units of icing (since $56:16 = 7:2$)
5. **Jelly beans:** Red: 15, Green: 10, Purple: 25
6. **Cards made:** Ali: 16, Ben: 20
7. **Yellow and green paint:** Yellow: 54, Green: 9
8. **Marshmallows:** 20 marshmallows
9. **Carrots per rabbit:** 6, 12, and 18 carrots
10. **Pink and blue ribbons:** Pink: 25, Blue: 35