

Averages (*les moyennes*)

- 1. Dennis has 8 cookies and Julian has 10 cookies. If they share their cookies equally, how many cookies does each boy get? This number is called the *average* (or *mean*; *la moyenne*) of 8 and 10.
- 2. Anouk has 18 cookies and Olivia has 20 cookies. If they share their cookies equally, how many cookies does each girl get?
- 3. Matias has 97 balloons and Michael has 101 balloons. If they share their balloons equally, how many balloons does each boy get?
- 4. What is the average of:
 - 6 and 10?
 - 3 and 15?
 - 2, 3 and 4?
 - 82, 83 and 84?
 - \star 3, 12 and 15?
 - \star 5 and 6?
 - \star 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10?
 - $\star x \text{ and } y?$
 - $\star x, y \text{ and } z?$





- 5. If Harmony walks 3 miles in 1 hour, we say that her average speed is 3 miles/hour ("miles per hour"). If she walks 4 miles in 1 hour, what is her average speed?
- 6. If Carolyn walks 6 miles in 2 hours, what is her average speed?
- 7. If Eleanor runs 3 miles in 30 minutes $(\frac{1}{2} \text{ hour})$ and then walks 2 more miles in 30 more minutes, what is her average speed?
- 8. If Alain Prost drives 300 miles at 60 miles/hour, how long does it take him to finish?
- 9. If he drives 300 miles at 30 miles/hour, how long does it take him to finish?
- 10. If he drives 300 miles at 60 miles/hour, and then drives 300 miles back at 30 miles/hour, how long does it take him to finish? What is his average speed for the whole trip?
- 11. Is your answer to question 10 the average of 60 miles/hour and 30 miles/hour? Why or why not?



