➤ The hourly wages in dollars of 10 workers are: 8, 8, 8, 8, 9, 9, 9, 11, 12, 20
Which measure of the average best represents these numbers?

To find the mean wage:
- Add: $8 + 8 + 8 + 8 + 9 + 9 + 9 + 11 + 12 + 20 = 102$
- Divide by the number of data, 10: $102 \div 10 = 10.2$

Only 3 workers have an hourly wage greater than the mean wage, $10.20.
The mode wage is $8. This is the least number.
The median wage is $9.

The median best represents these hourly wages.

Practice

1. Find the median of each set of data.
   a) 85, 80, 100, 90, 85, 95, 90
   b) 12 kg, 61 kg, 85 kg, 52 kg, 19 kg, 15 kg, 21 kg, 30 kg

2. Ammar applied for a clerical job with
   2 different companies.
   The table shows the salaries of people
   with clerical jobs at each company.
   a) Find the mean, the median, and
      the mode salary at each company.
   b) Suppose both companies offer Ammar a job.
      Based on these salary data, which job
      would you tell him to take?
      Explain your reasons.

   Annual Salary ($)

Company A	23 000, 24 000, 25 000, 26 500, 27 000, 29 200, 34 000, 36 500
Company B	24 500, 25 000, 27 500, 28 000, 30 000, 30 000, 31 000

3. Mary is a real estate agent.
   One month she sold 7 houses at these prices:
   $171 000, $165 000, $178 000, $161 000, $174 000, $168 000, $240 000
   a) What is the median price of the houses she sold?
   b) Do you think the mean price is greater than or less than the
      median price? Explain. Calculate to check.
   c) Which average do you think better represents a typical price
      of the houses she sold that month? Why?

4. Each time, write two different data sets with 6 numbers.
   a) The mode is 100. The median and the mean are equal.
   b) The mode is 100. The mean is less than the median.