



Warning: The interactivity in this PDF file is enabled by Javascript. For full functionality you have to use the Javascript capable PDF browser. Currently only Adobe Reader is available.

WHAT TYPE

TABLE-SELECTION GAME

Select one correct answer for each of the questions in the test and press the Finish button at the end. The answers will be validated automatically.



For each task, select the type of mean you would use to solve it.

Note: AP – arithmetic (resp. weighted arithmetic) mean, GP – geometric (resp. weighted geometric) mean, HP – harmonic (resp. weighted harmonic) mean.

		AP	GP	HP
1.	A car was going from the town <i>A</i> to the town <i>B</i> at an average speed of 90 km/h, on the way back it was going at an average speed of 70 km/h. What was the average speed of the car on the way there and back? Result: 78.75 km/h	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Due to excessive amount of money printed by certain government in one country it happened that the prices rose by 2.5% in the first year, by 4% in the second year, by 3.5% in the third year, and by 4.5% in the fourth year of the government being in office. What was the average yearly inflation during those four years? (Note: Afterwards, the government was not elected again.) Result: cca 3.6 %	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Three machines in a workshop produce the same product. Historically the oldest machine produces one product in 24 minutes, the newer machine in 16 minutes and the newest one in 12 minutes. What is the average time needed for production of one product? Result: 16 min	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Determine the water final temperature when 50 litres of water of 75°C is mixed with 60 litres of water of 45°C and with 20 litres of water of 55°C. Result: 58.1°C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

