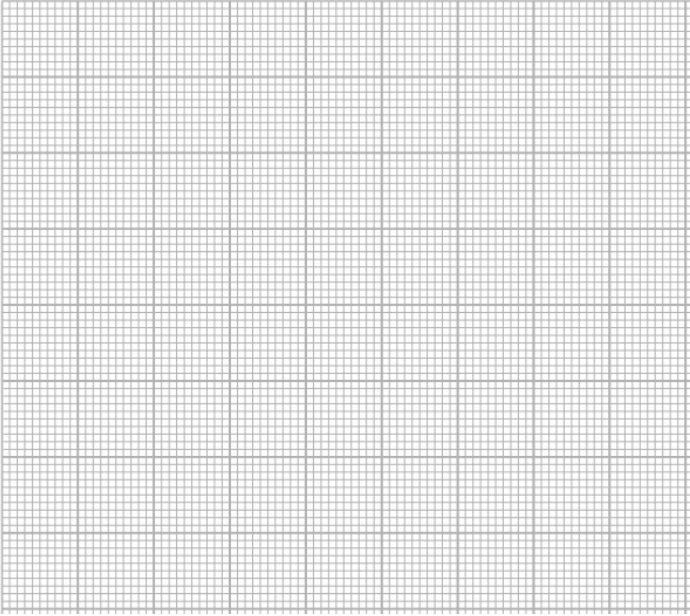


FOAIE DE RĂSPUNSURI
Proba PRACTICĂ (FIZICA)

	Răspuns	Punctaj																																																																																																									
1.	Demonstrați expresia (1)	1,4 p																																																																																																									
2.	<p>Completați tabelele (inclusiv linia de antet). Calculați și înregistrați în tabel erorile accidentale după relația $\Delta\rho_i = \rho_{med} - \rho_i$, inclusiv eroarea relativă $\varepsilon_i = \Delta\rho_i/\rho_{med}$. Prezentați mai jos exemple de calcul (pentru un singur cilindru și doar un singur exemplu pentru fiecare mărime calculată).</p> <p>Corp cilindric 1:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 5%;">Nr.</th> <th style="width: 15%;">ℓ,</th> <th style="width: 15%;">x₁,</th> <th style="width: 15%;">x₂,</th> <th style="width: 15%;">ρ,</th> <th style="width: 15%;">Δρ,</th> <th style="width: 10%;">ε</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td style="text-align: center;">Medii</td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Rezultat final: ρ = _____ ε_{med} = _____</p> <p>Corpul cilindric 2:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 5%;">Nr.</th> <th style="width: 15%;">ℓ,</th> <th style="width: 15%;">x₁,</th> <th style="width: 15%;">x₂,</th> <th style="width: 15%;">ρ,</th> <th style="width: 15%;">Δρ,</th> <th style="width: 10%;">ε</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td style="text-align: center;">Medii</td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Rezultat final: ρ = _____ ε_{med} = _____</p> <p>Corpul cilindric 3:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 5%;">Nr.</th> <th style="width: 15%;">ℓ,</th> <th style="width: 15%;">x₁,</th> <th style="width: 15%;">x₂,</th> <th style="width: 15%;">ρ,</th> <th style="width: 15%;">Δρ,</th> <th style="width: 10%;">ε</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td style="text-align: center;">Medii</td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Rezultat final: ρ = _____ ε_{med} = _____</p> <p>Exemple de calcul:</p>	Nr.	ℓ,	x ₁ ,	x ₂ ,	ρ,	Δρ,	ε	1							2							3							Medii	 	 	 				Nr.	ℓ,	x ₁ ,	x ₂ ,	ρ,	Δρ,	ε	1							2							3							Medii	 	 	 				Nr.	ℓ,	x ₁ ,	x ₂ ,	ρ,	Δρ,	ε	1							2							3							Medii	 	 	 				9,4 p
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3.	<p>Determinați densitatea lichidului în funcție de salinitate (o singură măsurare pentru fiecare concentrație). Prezentați un exemplu de calcul pentru fiecare mărime. Completați inclusiv linia de antet.</p> <table border="1" data-bbox="204 219 1125 568"> <thead> <tr> <th>Nr.</th> <th>$l,$</th> <th>$x_1,$</th> <th>$\rho,$</th> <th>$x_2,$</th> <th>s, %</th> <th>$\rho_{sol},$</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <p>Exemple de calcul:</p>	Nr.	$l,$	$x_1,$	$\rho,$	$x_2,$	s, %	$\rho_{sol},$	1							2							3							4							5							6							7							4,8 p
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5.	<p>Formulați concluziile de rigoare.</p>	1,0 p																																																								