

Beispiel 3: Umsetzung Think-pair-share mit Moodle im Präsenzunterricht

- **Problem**
 - Szenario: Studierende repetieren zu Beginn der Stunde den Stoff der Vorwoche anhand einer Aufgabe, diskutieren ihre erste Lösung mit dem Nachbarn, korrigieren dann ihre erste Lösung und erhalten darauf die richtige Lösung
 - Probleme: Manuelle Zeitsteuerung? Resultate? Und Umsetzung in LMS?
- **Lösung**
 - Lösung als Quiz
 - Phase 1: LMS-Quiz ohne Ergebnisanzeige
 - Phase 2: LMS-Quiz mit Ergebnis + Feedback

Question 4
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Given the following situation at an online retailer:

Parameter	Value
Number of orders processed	1250
Direct costs of all orders processed / year	25200000
Indirect costs / year	18000000
Total (direct and indirect) costs / year	27000000
Activity induced proportion of indirect costs, leading to "additional costs as per order execution"	30%
Neutral proportion of indirect costs, distributed on the base of direct costs, leading to "additional costs proportional to order direct costs"	70%

Compute:

The ABC cost per order execution	216000	CHF per order
The markup for orders, as % of direct order costs	%	%
The total costs of an order with direct costs of 2520 CHF		CHF, all costs included

Enter ONLY numbers, with decimal point where necessary, and no formatting, currency symbols, thousand separators etc.

Explanation:

- The ABC cost per order execution (does not include direct costs, only indirect ones) = $(30\% * 18000000) / 1250 = 432$
- Markup for orders = $(70\% * 18000000) / 25200000 = 5\%$
- Total costs of an order = $ABC\ cost + direct\ costs + direct\ costs * markup = 432 + 2520 + 2520 * 5\% = 3078$