

AB: Teste dein Wissen

Mathematik Gleichungen M 7

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- A diagram illustrating a simple addition problem. At the top, there are four colored boxes: a yellow box containing the expression $20 + x$, a red box containing the equals sign $=$, and a green box containing the number 25 . Below these are four empty rectangular boxes, each with a colored border: yellow, white, red, and green. Arrows point from the yellow, white, and red boxes to the yellow box containing $20 + x$. An arrow points from the red box to the red box containing $=$. An arrow points from the green box to the green box containing 25 .

- [illegible]

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- A large grid of graph paper consisting of 20 columns and 15 rows of squares. The grid is used for drawing or writing.

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- ⑤ Vereinfache den Term $4(x + 5)$ und erkläre, warum dieser nur mit Hilfe des Distributivgesetzes vereinfacht werden kann.

[illegible]

- ⑥ **Vereinfache die Terme.**

$$a) \quad 9(8 - 2) = \square$$
$$= \square$$

b) $3(x + 2) =$
 $=$

c) $(a + 4)5 =$
 $=$

d) $3 + (d + 2)2 =$

$=$

$=$

- ⑦ Vervollständige die Terme.

a) $3x + \boxed{} - x + 3 = 2x + 5$

b) $2 \cdot \boxed{} - 2a + 4 = 4a + 4$

c) $\boxed{} \cdot 3x - 12 = 3x^2 - 12$

d) · 5 + 3 = 10a + 3