

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 $20 +$, a white box containing x , a red box containing $=$, and a green box containing 25 . Below these are four corresponding colored rectangular boxes (yellow, white, red, and green) that are currently empty. Arrows point from each of these bottom boxes to the top boxes: from the yellow box to $20 +$, from the white box to x , from the red box to $=$, and from the green box to 25 .

- [illegible]

- [illegible]

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

A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 1 cm by 1 cm each. There are 20 columns and 20 rows of squares, creating a total area of 400 small squares. The grid lines are thin and evenly spaced.

- 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) $\cdot 5 + 3 = 10a + 3$