

Klasse: 7

Thema: Rechnen mit Termen – Umformen von Produkten

## Lösungen

Forme möglichst geschickt um:

$$\begin{aligned} 1. & x \cdot 5y \\ & = 6y \end{aligned}$$

$$\begin{aligned} 2. & 4x \cdot 5x \\ & = 20x^2 \end{aligned}$$

$$\begin{aligned} 3. & 6xy \cdot 3y \\ & = 18xy^2 \end{aligned}$$

$$\begin{aligned} 4. & 7a \cdot 8a \\ & = 56a^2 \end{aligned}$$

$$\begin{aligned} 5. & 5a^2 \cdot 4a \\ & = 20a^3 \end{aligned}$$

$$\begin{aligned} 6. & 7b \cdot 8a \cdot a \\ & = 56a^2b \end{aligned}$$

$$\begin{aligned} 7. & a \cdot 2a \cdot 3a \cdot b \cdot 2b \cdot 3b \\ & = 36a^3b^3 \end{aligned}$$

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$$\begin{aligned} 8. & 8x * 8x \\ & = 64x^2 \end{aligned}$$

$$\begin{aligned} 9. & abc * de * 2ab * de \\ & = 2a^2b^2cd^2e^2 \end{aligned}$$

$$\begin{aligned} 10. & 7a^2 * 6 + 3a \\ & = 42a^2 + 3a \end{aligned}$$

$$\begin{aligned} 11. & a^2 + 7a * 5a \\ & = 36a^2 \end{aligned}$$

$$\begin{aligned} 12. & x^3 * 4 + x^2 * 2x \\ & = 6x^3 \end{aligned}$$

$$\begin{aligned} 13. & x^2 - (5x * 6x) \\ & = - 29x^2 \end{aligned}$$

$$\begin{aligned} 14. & x^3 - (13 * x^2 + x * 4x) \\ & = x^3 - 17x^2 \end{aligned}$$

$$\begin{aligned} 15. & (x^2 * x + 3x^3) - (-y^2 * x + x^3) \\ & = 3x^3 + xy^2 \end{aligned}$$