

Excellence

1. A student says $4a \times 3b = 12ab$.
Are they correct? Explain.

A student says $5x \times 2y = 10xy$.
Are they correct? Explain.

A student says $6m \times 4 = 10m$.
Are they correct? Explain.

4. Fill in the blank: $\square p \times 3q = 21pq$. Fill in the blank: $7r \times \square s = 36rs$. Fill in the blank: $\square \times 4t = 28$

7. Complete: $8a \times 6b = \underline{\hspace{2cm}}$

8. Complete: $12c \times 5 = \underline{\hspace{2cm}}$

9. Which is greater: $4x \times 9y$
or $6x \times 5y$? Show enough
working to justify.

10. Which is greater: $7a \times 8$
or $9a \times 6$? Show enough
working to justify.

11. Write two different mul-
tiplications that both
simplify to $18ab$.

12. Write two different mul-
tiplications that both
simplify to $24x$.

13. Find a missing factor:
 $\square \times 5m = 45m.$

14. Find a missing factor:
 $9p \times \square = 63pq.$

15. Explain why $3a \times 4b$ and $4b \times 3a$ have the same simplified answer.

16. Is $2k \times 3k = 6k$ correct in this no-powers worksheet? Explain what should happen or why it is outside today's rule.

17. Compare $11u \times 2v$ with $7u \times 3v$. Which product is greater?

18. A rectangle has side lengths $3x$ and $5y$. Write an expression for its area.