

The Weekly Rigor

No. 304

“A mathematician is a machine for turning coffee into theorems.”

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10 Problems in Dividing Monomials

PROBLEMS

Find each quotient.

1. $\frac{12ab}{4a}$.

2. $\frac{20a^5b}{5a^3}$.

3. $\frac{12x^3}{4x^2}$.

4. $\frac{20ab^3}{5b^2}$.

5. $\frac{4abc^2}{2ac}$.

6. $\frac{8a^3b^2}{4ab^2}$.

7. $\frac{9m^2n^5}{3mn^2}$.

8. $\frac{-15ay^3}{3ay}$.

9. $\frac{-48a^3bc^5}{-6a^2c^4}$.

10. $\frac{-32x^4y^5z^8}{x^2yz^3}$.

ANSWERS

1. $3b$	2. $4a^2b$
3. $3x$	4. $4ab$
5. $2bc$	6. $2a^2$
7. $3mn^3$	8. $-5y^2$
9. $8abc$	10. $-32x^2y^4z^5$

“Only he who never plays, never loses.”

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