Mobius Math Academy Name: **1** Use factorization to simplify by а $\frac{7}{2 \times 2 \times 2} \times \frac{2 \times 2 \times 2 \times 11}{2 \times 11}$ showing what factors in this mobius fraction multiplication can be cancelled out $12 \frac{b}{2 \times 2} \times \frac{2 \times 2 \times 3}{2 \times 7}$ Math worksheet on 'Factoring - Simplifying Fraction Multiplication with Factors - Composite to Factored (Level 1)'. Part of a broader unit on 'Factoring, Multiplication, Division, Fractions - Practice' $\frac{\mathbf{c}_{7}}{11} \times \frac{2 \times 2 \times 2 \times 3}{2 \times 7}$ Learn online: app.mobius.academy/math/units/factoring_multiplication_division_fractions_practice/ 2 $\frac{\mathbf{a}}{\frac{2}{5}} \times \frac{2 \times 5 \times 7}{2 \times 2 \times 5} \frac{\mathbf{b}}{\frac{2}{5}} \times \frac{2 \times 5 \times 7}{2}$ **3** Use factorization to simplify by showing what factors in this Use factorization to simplify by fraction multiplication can be showing what factors in this cancelled out fraction multiplication can be cancelled out $\frac{3}{2} \times \frac{2 \times 5 \times 7 \times 7}{2 \times 3 \times 5}$ а b Х $\frac{5 \times 7}{3 \times 7} \times \frac{3 \times 3}{3 \times 7} \Big|_{\frac{5 \times 7}{3 \times 11} \times \frac{3 \times 3 \times 3 \times 3}{3 \times 7}}$ **4** Use factorization to simplify by $\frac{2 \times 2 \times 3}{2 \times 2} \times \frac{2}{2 \times 2}$ **5** Use factorization to simplify by a showing what factors in this showing what factors in this $\frac{2}{3\times 3}\times \frac{3\times 3\times 5}{2\times 3} \frac{7}{3\times 2}\times \frac{3\times 3\times 5}{2\times 2\times 3}$ fraction multiplication can be fraction multiplication can be cancelled out cancelled out $\sum_{\substack{2 \times 2 \times 2 \times 2 \times 3 \\ 2 \times 2 \times 2 \times 2}}^{\mathbf{b}} \times \frac{2}{2 \times 2 \times 2}$ $\frac{2}{3\times3}\times\frac{3\times3\times3\times5}{2\times3}$ $\frac{^{\mathsf{c}}}{2\times 2} \times \frac{2}{2} \times \frac{11}{2}$ $\frac{\frac{a}{2 \times 2 \times 2 \times 5 \times 5}}{2} \times \frac{1}{5 \times 5}$ **6** Use factorization to simplify by b **7** Use factorization to simplify by а showing what factors in this $\frac{3\times 5}{2\times 3\times 7}\times \frac{2\times 3}{3} \frac{3\times 3\times 5}{2\times 11\times 7}\times \frac{2\times 2\times 3}{3}$ showing what factors in this fraction multiplication can be fraction multiplication can be cancelled out cancelled out $\frac{\frac{b}{2} \times 2 \times 2 \times 5}{2 \times 5} \times \frac{1}{2 \times 3}$ $\frac{3\times3}{2\times3\times7}\times\frac{2\times3}{5}$ Х $\int \frac{c}{2 \times 2 \times 2 \times 2 \times 5 \times 5}_{2 \times 5} \times \frac{3}{2 \times 3}$