Review: Simplifying Fractions

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to simplify a traction divide the numerator and denominator by a common factor - If the fraction cannot be divided by any other common factor, thin it is in lowest terms Ex#1 Simplify 18 Emmerator 27 Educomnator $\frac{18 \div 9}{27 \div 9} = \frac{2}{3}$ Can also be used to find an unknown factor Ex.#2 Find x when $27 - \frac{1}{3}$ 27 Frx cross multiply 3 and divide 81 = 1880 ¥= 81

Assignment # 1 $a - \frac{y}{16} = \frac{1}{4}$ $b) \frac{3}{12} - 1$ c) $\frac{25}{75} = \frac{1}{3}$ $f.) \frac{45}{100} = \frac{9}{20}$ $d = \frac{15}{21} = \frac{5}{7}$ $e) \frac{8}{18} = \frac{4}{9}$ $h_{1} \frac{3}{21} = \frac{1}{7}$ $1)\frac{7}{56} = \frac{1}{8}$ $9 \quad \frac{20}{50} = \frac{2}{5}$ Assighment #2 $\frac{1}{2} \frac{1}{2} \frac{1}$ $\frac{35x}{35} = \frac{28}{35}$ $\propto = 0.8$ 3 <u>3 x 25</u> 18 x $\frac{2}{9}$ 2 • • $\frac{3x}{3} = \frac{450}{2}$ $\frac{54}{9} = \frac{9}{8}$ (= Xx = 150#4 x=0,8 5. x=0.2 6 x= 125