



1) This is incorrect.

$\frac{10}{12}$  is equivalent to  $\frac{30}{36}$  but to simplify it completely, the correct answer is  $\frac{5}{6}$ .

2) Marlon is correct.

$\frac{10}{24}$  simplifies to  $\frac{5}{12}$ .



1) Children should find all multiples of 30 that are divisible by 8 to find possible denominators, e.g. 120, 240, 360, 480, 600, 720, 840, 960.

They should then use understanding of multiples and equivalent fractions to find all the possible fractions:

$\frac{45}{120}, \frac{90}{240}, \frac{135}{360}, \frac{180}{480}, \frac{225}{600}, \frac{270}{720}, \frac{315}{840}, \frac{360}{960}$

2)  $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}, \frac{1}{7}, \frac{1}{8}, \frac{1}{9}, \frac{1}{10}, \frac{1}{11}, \frac{1}{12}$

$\frac{2}{3}, \frac{2}{5}, \frac{2}{7}, \frac{2}{9}, \frac{2}{11}$

$\frac{3}{4}, \frac{3}{5}, \frac{3}{7}, \frac{3}{8}, \frac{3}{10}, \frac{3}{11}$

$\frac{4}{5}, \frac{4}{7}, \frac{4}{9}, \frac{4}{11}$

$\frac{5}{6}, \frac{5}{7}, \frac{5}{8}, \frac{5}{9}, \frac{5}{11}, \frac{5}{12}$

$\frac{6}{7}, \frac{6}{11}$

$\frac{7}{8}, \frac{7}{9}, \frac{7}{10}, \frac{7}{11}, \frac{7}{12}$

$\frac{8}{9}, \frac{8}{11}$

$\frac{9}{10}, \frac{9}{11}$

$\frac{10}{11}, \frac{10}{12}$

All the fractions that cannot be simplified will have at least one odd number. Fractions with a numerator of 1 (unit fractions) cannot be simplified.

