Name _____ Date _____

Recognizing Equivalent Fractions - Guided Lesson Explanation

Explanation to #1

Step 1) We have to fill the missing number.

Step 2) Here we have to reduce 24/32 to its lowest term to help us fill in the missing number.

Step 3) $\frac{\quad}{4} = \frac{24}{32}$

Reduce $\frac{\cancel{24}\ \cancel{12}\ \cancel{6}\ 3}{\cancel{32}\ \cancel{16}\ \cancel{8}\ 4}$

I.e. 4 is already the denominator and the missing number will be: - 3

Explanation to #2

Step 1) Reduce 7/21 to its lowest term.

Step 2) Both numbers go into 7. So we divide the top and bottom by 7.

$\frac{\cancel{7}\ 1}{\cancel{21}\ 3}$

So the answer will be 1/3 i.e. option 'b'.

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Explanation to #3

Step 1) We have to write the fraction from smallest to the greatest.

Step 2) We have to reduce it to its lowest term.

a. $\frac{3}{9} < \frac{2}{4} < \frac{5}{20}$

Reduce all three numbers:-

$\frac{\cancel{3}}{\cancel{9}} = \frac{1}{3}$

$\frac{\cancel{2}}{\cancel{4}} = \frac{1}{2}$

$\frac{\cancel{5}}{\cancel{20}} = \frac{1}{5}$

So the answer will be:- $\frac{1}{5} < \frac{1}{3} < \frac{1}{2}$

b. $\frac{9}{54} < \frac{7}{49} < \frac{4}{20}$

$\frac{\cancel{9}}{\cancel{54}} \; \frac{\cancel{3}}{\cancel{18}} \; \frac{1}{6}$

$\frac{\cancel{7}}{\cancel{49}} \; \frac{1}{7}$

$\frac{\cancel{4}}{\cancel{20}} \; \frac{\cancel{2}}{\cancel{10}} \; \frac{1}{5}$

$\frac{1}{7} < \frac{1}{6} < \frac{1}{5}$