Determine if the statement is a proportion.

1) I. \( \frac{1}{3} = \frac{5}{15} \) \hspace{1cm} II. \( \frac{1}{8} = \frac{5}{40} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.

2) I. \( \frac{1}{7} = \frac{7.4}{51.8} \) \hspace{1cm} II. \( \frac{1}{51.8} = \frac{5.3}{222.74} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.

3) I. \( \frac{1}{5} = \frac{5}{27} \) \hspace{1cm} II. \( \frac{1}{8} = \frac{11}{80} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.

4) I. \( \frac{3}{4} = \frac{24}{32} \) \hspace{1cm} II. \( \frac{12}{24} = \frac{4}{8} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.

5) I. \( \frac{3}{9} = \frac{21}{62} \) \hspace{1cm} II. \( \frac{20}{28} = \frac{5}{7} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.

6) I. \( \frac{2.7}{8} = \frac{10}{32} \) \hspace{1cm} II. \( \frac{10}{26} = \frac{2}{5.6} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.

7) I. \( \frac{2.6}{7} = \frac{10.4}{28} \) \hspace{1cm} II. \( \frac{32}{56.8} = \frac{4}{7.1} \)
   
   A) I is a proportion, II is not a proportion.
   B) I is not a proportion, II is a proportion.
   C) I and II are both proportions.
   D) Neither I nor II are proportions.
8) I. \( \frac{2 \frac{1}{11}}{3} = \frac{12 \frac{6}{11}}{18} \)

II. \( \frac{1 \frac{10}{13}}{3} = \frac{3 \frac{7}{13}}{6} \)

A) I is a proportion, II is not a proportion.
B) I is not a proportion, II is a proportion.
C) I and II are both proportions.
D) Neither I nor II are proportions.

9) I. \( \frac{3 \frac{1}{5}}{6} = \frac{6 \frac{2}{5}}{14} \)

II. \( \frac{1 \frac{5}{11}}{6} = \frac{5 \frac{9}{11}}{24} \)

A) I is a proportion, II is not a proportion.
B) I is not a proportion, II is a proportion.
C) I and II are both proportions.
D) Neither I nor II are proportions.

10) I. \( \frac{8}{17} = \frac{4}{8 \frac{1}{2}} \)

II. \( \frac{8}{33} = \frac{4}{16 \frac{1}{2}} \)

A) I is a proportion, II is not a proportion.
B) I is not a proportion, II is a proportion.
C) I and II are both proportions.
D) Neither I nor II are proportions.
Answer Key
Testname: MAT0020_DETERMINE WHETHER PROPORTIONS ARE EQUAL

1) C
2) A
3) D
4) C
5) B
6) D
7) C
8) C
9) B
10) C