



2025 TESTIFI EXAMINATION

Comparing Fractions

Solutions and Marking Guidelines

Section I

2 marks

Questions 1–2

Question 1 (1 mark)

1

C

To compare the fractions, find a common denominator. The LCM of 12, 8, 18, and 9 is 72. Converting:

Alex: $\frac{5}{12} = \frac{30}{72}$, Bailey: $\frac{3}{8} = \frac{27}{72}$, Casey: $\frac{7}{18} = \frac{28}{72}$, Dana: $\frac{2}{9} = \frac{16}{72}$. Ordering from smallest to largest: $\frac{16}{72} < \frac{27}{72} < \frac{28}{72} < \frac{30}{72}$, so Dana, Bailey, Casey, Alex.

Question 2 (1 mark)

1

A

To compare $\frac{3}{4}$ and $\frac{5}{8}$, convert to a common denominator of 8. $\frac{3}{4} = \frac{6}{8}$. Since $\frac{6}{8} > \frac{5}{8}$, we have $\frac{3}{4} > \frac{5}{8}$.

Section II

10 marks

Questions 3–11

Question 3 (1 marks) **1**

Convert to like denominators: $\frac{2}{3} = \frac{6}{9}$. Since $\frac{6}{9} > \frac{5}{9}$, therefore $\frac{2}{3}$ is greater.

Question 4 (1 marks) **1**

Convert to like denominators: $\frac{3}{5} = \frac{6}{10}$. Since $\frac{7}{10} > \frac{6}{10}$, therefore $\frac{7}{10}$ is greater.

Question 5 (1 marks) **1**

Convert to like denominators: $\frac{1}{4} = \frac{2}{8}$. Since $\frac{3}{8} > \frac{2}{8}$, therefore $\frac{3}{8}$ is greater.

Question 6 (1 marks) **1**

Convert to like denominators: $\frac{5}{6} = \frac{15}{18}$ and $\frac{7}{9} = \frac{14}{18}$. Since $\frac{15}{18} > \frac{14}{18}$, therefore $\frac{5}{6}$ is greater.

Question 7 (1 marks) **1**

Convert to like denominators: $\frac{2}{5} = \frac{4}{10}$. Since $\frac{4}{10} > \frac{3}{10}$, therefore $\frac{2}{5}$ is greater.

Question 8 (1 marks) **1**

Convert to like denominators: $\frac{1}{3} = \frac{4}{12}$. Since $\frac{5}{12} > \frac{4}{12}$, therefore $\frac{5}{12}$ is greater.

Question 9 (1 marks) **1**

Convert to like denominators: $\frac{3}{7} = \frac{6}{14}$. Since $\frac{6}{14} > \frac{5}{14}$, therefore $\frac{3}{7}$ is greater.

Question 10 (1 marks) **1**

Convert to like denominators: $\frac{1}{3} = \frac{3}{9}$. Since $\frac{4}{9} > \frac{3}{9}$, therefore $\frac{4}{9}$ is greater.

Question 11 (2 marks) **2**

Convert to common denominator 200: $\frac{11}{25} = \frac{88}{200}$, $\frac{17}{40} = \frac{85}{200}$, $\frac{7}{20} = \frac{70}{200}$. Ordering from least to greatest: $\frac{7}{20}$, $\frac{17}{40}$, $\frac{11}{25}$.