Ordering Fractions

Video 144 on www.corbettmaths.com

Examples

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Workout

Question 1: Arrange the following sets of fractions in order, from smallest to largest

(a) $\frac{6}{7}, \frac{1}{7}, \frac{2}{7}, \frac{5}{7}$ (b) $\frac{3}{10}, \frac{9}{10}, \frac{1}{10}, \frac{7}{10}$ (c) $\frac{2}{9}, \frac{8}{9}, \frac{5}{9}, \frac{1}{9}$

Question 2: Arrange the following sets of fractions in order, from smallest to largest

(a) $\frac{1}{5}, \frac{3}{10}, \frac{2}{5}, \frac{1}{10}$ (b) $\frac{1}{8}, \frac{1}{4}, \frac{5}{8}, \frac{3}{4}$ (c) $\frac{5}{9}, \frac{2}{3}, \frac{7}{9}, \frac{1}{3}$

(d) $\frac{3}{5}, \frac{13}{20}, \frac{2}{5}, \frac{9}{20}$ (e) $\frac{5}{6}, \frac{7}{12}, \frac{5}{12}, \frac{11}{12}$ (f) $\frac{7}{20}, \frac{23}{60}, \frac{9}{20}, \frac{29}{60}$

Question 3: Arrange the following sets of fractions in order, from smallest to largest

(a) $\frac{2}{3}, \frac{11}{15}, \frac{7}{15}, \frac{3}{5}$ (b) $\frac{13}{20}, \frac{3}{4}, \frac{7}{10}, \frac{11}{20}$ (c) $\frac{1}{2}, \frac{2}{3}, \frac{7}{12}, \frac{5}{6}$

(d) $\frac{13}{16}, \frac{3}{4}, \frac{5}{8}, \frac{11}{16}$ (e) $\frac{3}{50}, \frac{7}{100}, \frac{1}{10}, \frac{9}{200}$ (f) $\frac{13}{20}, \frac{4}{5}, \frac{7}{10}, \frac{23}{40}$

Question 4: Arrange the following sets of fractions in order, from smallest to largest

(a) $\frac{3}{4}, \frac{2}{3}, \frac{5}{6}, \frac{1}{3}$ (b) $\frac{1}{4}, \frac{3}{8}, \frac{1}{6}, \frac{5}{12}$ (c) $\frac{9}{20}, \frac{5}{12}, \frac{3}{10}, \frac{17}{30}$

(d) $\frac{3}{25}, \frac{1}{10}, \frac{1}{8}, \frac{7}{50}$ (e) $\frac{27}{40}, \frac{3}{5}, \frac{5}{8}, \frac{6}{15}$ (f) $\frac{7}{20}, \frac{1}{3}, \frac{3}{8}, \frac{2}{5}$

Apply

Question 1: Write down a fraction between $\frac{2}{3}$ and $\frac{4}{5}$

Question 2: Write down a fraction between $\frac{5}{8}$ and $\frac{2}{3}$

Answers

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