Exponents, Factors and Fractions

Math G

Name _____ Class _____ Date _____

1 Order the following fractions, $\frac{1}{2}, \frac{5}{12}, \frac{5}{8}, \frac{2}{6}, \frac{3}{4}$ from least to greatest.

A $\frac{1}{2}, \frac{3}{4}, \frac{2}{6}, \frac{5}{8}, \frac{5}{12}$ **C** $\frac{2}{6}, \frac{5}{12}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$

B $\frac{3}{4}, \frac{2}{6}, \frac{5}{8}, \frac{5}{12}, \frac{1}{2}$ **D** $\frac{2}{6}, \frac{5}{12}, \frac{5}{8}, \frac{1}{2}, \frac{3}{4}$

2 Order the following fractions, $\frac{7}{8}, \frac{5}{16}, \frac{3}{4}, \frac{10}{64}, \frac{1}{2}$ from least to greatest.

A $\frac{7}{8}, \frac{3}{4}, \frac{1}{2}, \frac{5}{16}, \frac{10}{64}$ **C** $\frac{7}{8}, \frac{3}{4}, \frac{5}{16}, \frac{1}{2}, \frac{10}{64}$

B $\frac{10}{64}, \frac{1}{2}, \frac{5}{6}, \frac{3}{4}, \frac{7}{8}$ **D** $\frac{10}{64}, \frac{5}{16}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}$

3 Marcus, Brian, Josh, and Caleb ran in a track meet. Marcus ran $\frac{12}{27}$ of a mile, Brian ran $\frac{7}{9}$ of a mile, Josh ran $\frac{4}{6}$ of a mile, and Caleb ran $\frac{2}{3}$ of a mile.
Who ran the farthest?

4 Using the number line shown, order the fractions, $\frac{11}{20}, \frac{1}{4}, \frac{1}{5}, \frac{3}{5}, \frac{12}{15}$ from least to greatest.

A $\frac{1}{4}, \frac{1}{5}, \frac{3}{5}, \frac{12}{15}, \frac{11}{20}$ **C** $\frac{1}{4}, \frac{1}{5}, \frac{3}{5}, \frac{11}{20}, \frac{12}{15}$

5

7

B $3\frac{2}{7}$ **D** $2\frac{3}{7}$

B $6\frac{4}{9}$ **D** $7\frac{4}{9}$

9 What is $4\frac{3}{8}$ written as an improper fraction?

A $\frac{35}{8}$ **C** $\frac{27}{8}$

B $\frac{34}{8}$ **D** $\frac{24}{8}$

10 What is $8\frac{5}{6}$ written as an improper fraction?

A $\frac{46}{6}$ **C** $\frac{53}{6}$

B $\frac{47}{6}$ **D** $\frac{54}{6}$

ANSWER KEY

Order the following fractions, $\frac{1}{2}, \frac{5}{12}, \frac{5}{8}, \frac{2}{6}, \frac{3}{4}$ from least to greatest.

A $\frac{1}{2}, \frac{3}{4}, \frac{2}{6}, \frac{5}{8}, \frac{5}{12}$ **C** $\frac{2}{6}, \frac{5}{12}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$

B $\frac{3}{4}, \frac{2}{6}, \frac{5}{8}, \frac{5}{12}, \frac{1}{2}$ **D** $\frac{2}{6}, \frac{5}{12}, \frac{5}{8}, \frac{1}{2}, \frac{3}{4}$

c

Order the following fractions, $\frac{7}{8}, \frac{5}{16}, \frac{3}{4}, \frac{10}{64}, \frac{1}{2}$ from least to greatest.

A $\frac{7}{8}, \frac{3}{4}, \frac{1}{2}, \frac{5}{16}, \frac{10}{64}$ **C** $\frac{7}{8}, \frac{3}{4}, \frac{5}{16}, \frac{1}{2}, \frac{10}{64}$

B $\frac{10}{64}, \frac{1}{2}, \frac{5}{6}, \frac{3}{4}, \frac{7}{8}$ **D** $\frac{10}{64}, \frac{5}{16}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}$

a

Marcus, Brian, Josh, and Caleb ran in a track meet. Marcus ran $\frac{12}{27}$ of a mile, Brian ran $\frac{7}{9}$ of a mile, Josh ran $\frac{4}{6}$ of a mile, and Caleb ran $\frac{2}{3}$ of a mile.
Who ran the farthest?

A Marcus **C** Josh

B

b

Using the number line shown, order the fractions, $\frac{11}{20}, \frac{1}{4}, \frac{1}{5}, \frac{3}{5}, \frac{12}{15}$ from least to greatest.

A $\frac{1}{4}, \frac{1}{5}, \frac{3}{5}, \frac{12}{15}, \frac{11}{20}$ **C** $\frac{1}{4}, \frac{1}{5}, \frac{3}{5}, \frac{11}{20}, \frac{12}{15}$

d

B $3\frac{2}{7}$ **D** $2\frac{3}{7}$

B $6\frac{4}{9}$ **D** $7\frac{4}{9}$

What is $4\frac{3}{8}$ written as an improper fraction?

A $\frac{35}{8}$ **C** $\frac{27}{8}$

B $\frac{34}{8}$ **D** $\frac{24}{8}$

a

What is $8\frac{5}{6}$ written as an improper fraction?

A $\frac{46}{6}$ **C** $\frac{53}{6}$

B $\frac{47}{6}$ **D** $\frac{54}{6}$

c