

Name: Class:

Least common denominator

Find the least common denominator of the following fractions. (follow the example).

1. $\frac{11}{24}$ and $\frac{8}{7}$

2. $\frac{3}{2}$, $\frac{13}{20}$, and $\frac{1}{3}$

3. $\frac{2}{9}$ and $\frac{5}{6}$

1. Find the LCD of the of $\frac{8}{9}$, $\frac{2}{12}$, and $\frac{11}{24}$ and tick the right answer.☐ 62☐ 144☐ 216☐ 722. Find the LCD of the of $\frac{5}{15}$, $\frac{2}{3}$, and $\frac{1}{30}$ and tick the right answer.☐ 3☐ 30☐ 40☐ 153. Find the LCD of the of $\frac{10}{20}$ and $\frac{24}{4}$ and tick the right answer.☐ 20☐ 240☐ 60☐ 4

Name: Class:

Least common denominator

Find the least common denominator of the following fractions. (follow the example).

1. $\frac{11}{24}$ and $\frac{8}{7}$

Prime factors of 24 = $2 \times 2 \times 2 \times 3$

Prime factors of 7 = 7

The LCD of 24 and 7 = $2 \times 2 \times 2 \times 3 \times 7 = 168$

Therefore, the LCD of $\frac{11}{24}$ and $\frac{8}{7} = 168$.

2. $\frac{3}{2}$, $\frac{13}{20}$, and $\frac{1}{3}$

Prime factors of 2 = 2

Prime factors of 20 = $2 \times 2 \times 5$

Prime factors of 3 = 3

The LCD of 2, 20, and 3 = $2 \times 2 \times 5 \times 3 = 60$

Therefore, the LCD of $\frac{3}{2}$, $\frac{13}{20}$, and $\frac{1}{3} = 60$.

3. $\frac{2}{9}$ and $\frac{5}{6}$

Prime factors of 9 = 3×3

Prime factors of 6 = 2×3

The LCD of 9 and 6 = $3 \times 3 \times 2 = 18$

Therefore, the LCD of $\frac{2}{9}$ and $\frac{5}{6} = 18$.

1. Find the LCD of $\frac{8}{9}$, $\frac{2}{12}$, and $\frac{11}{24}$ and tick the right answer.

☐ 62

☐ 144

☐ 216

☒ 72

2. Find the LCD of $\frac{5}{15}$, $\frac{2}{3}$, and $\frac{1}{30}$ and tick the right answer.

☐ 3

☒ 30

☐ 40

☐ 15

3. Find the LCD of $\frac{10}{20}$ and $\frac{24}{4}$ and tick the right answer.

☒ 20

☐ 240

☐ 60

☐ 4