

22. $5\frac{2}{20} + 7\frac{3}{20} + 2\frac{10}{20}$
 $= 14\frac{2+3+10}{20}$
 $= 14\frac{15}{20}$
 $= 14\frac{15\div 5}{20\div 5}$
 $= \boxed{14\frac{3}{4}}$

23. $\frac{1}{4}$ AND $\frac{1}{6}$
 LCD = 12

FINDING LEAST COMMON DENOMINATOR (LCD)

1. WRITE PRIME FACTORIZATION OF EACH DENOM.

$4 = 2 \cdot 2$
 $6 = 2 \cdot 3$

2. LCD IS THE PRODUCT OF EACH PRIME THE GREATEST # OF TIMES IT APPEARS ON A SINGLE LINE

LCD = $2 \cdot 2 \cdot 3$
 $= 12$

24. $\frac{5}{36}$ AND $\frac{1}{8}$
 $\boxed{72}$

FIND LCD
 ① $36 = 2 \cdot 2 \cdot 3 \cdot 3$
 $8 = 2 \cdot 2 \cdot 2$
 ② LCD = $2 \cdot 2 \cdot 2 \cdot 3 \cdot 3$
 $= 72$

PRIMES
 2, 3, 5, 7, 11,
 13, 17

25. $\frac{7}{24}$ AND $\frac{1}{50}$
 $\boxed{600}$

LCD
 ① $24 = 2 \cdot 2 \cdot 2 \cdot 3$
 $50 = 2 \cdot 5 \cdot 5$
 ② LCD = $2 \cdot 2 \cdot 2 \cdot 3 \cdot 5 \cdot 5$
 $= 8 \cdot 75$
 $= 600$

26. $\frac{1}{3} + \frac{1}{6}$
 $\frac{1 \cdot 2}{6} + \frac{1}{6}$
 $\frac{2}{6} + \frac{1}{6}$
 $\frac{3}{6}$
 $\boxed{\frac{1}{2}}$

ADDING FRACTIONS WITH DIFFERENT DENOMINATORS

- ① FIGURE OUT THE LCD AND REWRITE EACH FRACTION WITH THAT DENOMINATOR
- ② ADD TOPS
- ③ SIMPLIFY

LCD

① $3 = 3$
 $6 = 2 \cdot 3$
 ② LCD = $2 \cdot 3$
 $= 6$