Answer key

The method: Adding: one denominator divides the other

1/3 + 1/6: rewrite 1/3 as the equivalent fraction 2/6, then add. Simplify the answer.

$$\frac{1}{12} + \frac{1}{4} = \frac{1}{12} + \frac{3}{12} = \frac{4}{12}$$ rewrite with denominator 12

$$\frac{4}{12} = \frac{1}{3}$$ simplify (÷ 4)

Problems 1 and 2 worked out · Version 0A

$$\frac{4}{21} + \frac{6}{7} = \frac{4}{21} + \frac{18}{21} = \frac{22}{21}$$ rewrite with denominator 21

$$\frac{22}{21} = 1\frac{1}{21}$$ write as a mixed number

$$\frac{1}{27} + \frac{8}{9} = \frac{1}{27} + \frac{24}{27} = \frac{25}{27}$$ rewrite with denominator 27

Adding: one denominator divides the other · Versio…

1) $1\frac{1}{21}$ 2) $\frac{25}{27}$ 3) $1\frac{1}{8}$ 4) $\frac{3}{8}$ 5) $\frac{5}{8}$ 6) $\frac{11}{18}$ 7) $\frac{8}{9}$

8) $1\frac{3}{32}$ 9) $1\frac{1}{8}$ 10) $1\frac{7}{8}$ 11) $\frac{17}{20}$ 12) $\frac{1}{2}$ 13) $1\frac{3}{4}$

14) $\frac{3}{4}$ 15) $1\frac{1}{4}$ 16) $\frac{13}{27}$ 17) $1\frac{1}{2}$ 18) $\frac{1}{2}$ 19) $1\frac{15}{22}$

20) $\frac{7}{33}$ 21) $1\frac{1}{4}$ 22) $\frac{5}{6}$ 23) $\frac{25}{28}$ 24) $1\frac{7}{12}$ 25) $\frac{5}{9}$

26) $\frac{7}{8}$ 27) $1\frac{1}{9}$ 28) $\frac{5}{9}$ 29) $1\frac{3}{8}$ 30) $1\frac{1}{4}$ 31) $\frac{7}{12}$

32) $1\frac{1}{4}$ 33) $\frac{23}{24}$ 34) $\frac{5}{6}$ 35) $\frac{2}{3}$ 36) $\frac{1}{2}$ 37) $1\frac{1}{16}$

38) $1\frac{2}{21}$ 39) $1\frac{1}{6}$ 40) $1\frac{13}{24}$ 41) $\frac{5}{9}$ 42) $\frac{5}{12}$ 43) $\frac{19}{22}$

44) $\frac{8}{9}$ 45) $1\frac{9}{28}$ 46) $\frac{23}{24}$ 47) $1\frac{1}{8}$ 48) $\frac{31}{32}$