1) a) $\frac{1}{2}+\frac{3}{4}+\frac{3}{8}=\frac{13}{8}=1 \frac{5}{8}$
b) $\frac{11}{8}=1 \frac{3}{8}$
c) $\frac{21}{12}=1 \frac{9}{12}$
d) $\frac{23}{16}=1 \frac{7}{16}$
2) 



$$
\frac{1}{12}+\frac{1}{3}+\frac{3}{4}
$$

$$
1 \frac{2}{12}
$$

1) a) True
b) False $\frac{1}{2}+\frac{3}{7}+\frac{4}{14}=1 \frac{3}{14}$
c) False $\frac{1}{3}+\frac{2}{5}+\frac{7}{15}=1 \frac{3}{15}$
d) True

In calculation $b$, the numerators and denominators have been added as separate calculations. In calculation $c$, the improper fraction has not been converted correctly.
2) $\frac{1}{2}+\frac{2}{3}+\frac{4}{6}=1 \frac{5}{6}$
$\frac{3}{4}+\frac{1}{3}+\frac{4}{12}=1 \frac{5}{12}$

1) Possible answers include the following:
$\frac{1}{2}+\frac{5}{6}+\frac{4}{12}=1 \frac{8}{12}$
$\frac{1}{4}+\frac{4}{6}+\frac{4}{12}=1 \frac{3}{12}$
$\frac{1}{3}+\frac{5}{6}+\frac{4}{12}=1 \frac{6}{12}$
2) There are 17 solutions. Look for systematic recordings from children.
$\frac{1}{2}+\frac{1}{4}+\frac{3}{8}=1 \frac{1}{8}$

$$
\frac{1}{2}+\frac{3}{4}+\frac{1}{8}=1 \frac{3}{8}
$$

$\frac{1}{2}+\frac{1}{4}+\frac{4}{8}=1 \frac{2}{8}$

$$
\frac{1}{2}+\frac{3}{4}+\frac{2}{8}=1 \frac{4}{8}
$$

$\frac{1}{2}+\frac{1}{4}+\frac{5}{8}=1 \frac{3}{8}$

$$
\begin{aligned}
& \frac{1}{2}+\frac{2}{4}+\frac{1}{8}=1 \frac{1}{8} \\
& \frac{1}{2}+\frac{2}{4}+\frac{2}{8}=1 \frac{2}{8} \\
& \frac{1}{2}+\frac{2}{4}+\frac{3}{8}=1 \frac{3}{8} \\
& \frac{1}{2}+\frac{2}{4}+\frac{4}{8}=1 \frac{4}{8} \\
& \frac{1}{2}+\frac{2}{4}+\frac{5}{8}=1 \frac{5}{8} \\
& \frac{1}{2}+\frac{2}{4}+\frac{6}{8}=1 \frac{6}{8} \\
& \frac{1}{2}+\frac{2}{4}+\frac{7}{8}=1 \frac{7}{8}
\end{aligned}
$$

$$
\frac{1}{2}+\frac{3}{4}+\frac{3}{8}=1 \frac{5}{8}
$$

$\frac{1}{2}+\frac{1}{4}+\frac{6}{8}=1 \frac{4}{8}$

$$
\frac{1}{2}+\frac{3}{4}+\frac{4}{8}=1 \frac{6}{8}
$$

$\frac{1}{2}+\frac{1}{4}+\frac{7}{8}=1 \frac{5}{8}$

$$
\frac{1}{2}+\frac{3}{4}+\frac{5}{8}=1 \frac{7}{8}
$$

