Outcome 2 – Changing Mixed Numbers to "Top Heavy" Fractions
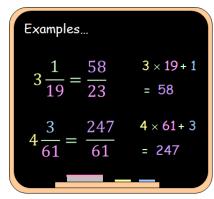
Bronze examples...   **Silver examples**   **Gold examples**

Examples...

$$1\frac{1}{4} = \frac{5}{4} \qquad \begin{array}{l} 1 \times 4 + 1 \\ = 5 \end{array}$$

$$1\frac{6}{7} = \frac{13}{7} \qquad \begin{array}{l} 1 \times 7 + 6 \\ = 13 \end{array}$$

Examples...

$$7\frac{1}{6} = \frac{43}{6} \qquad \begin{array}{l} 7 \times 6 + 1 \\ = 43 \end{array}$$

$$4\frac{9}{10} = \frac{49}{10} \qquad \begin{array}{l} 4 \times 10 + 9 \\ = 49 \end{array}$$

Examples...

$$3\frac{1}{19} = \frac{58}{23} \qquad \begin{array}{l} 3 \times 19 + 1 \\ = 58 \end{array}$$

$$4\frac{3}{61} = \frac{247}{61} \qquad \begin{array}{l} 4 \times 61 + 3 \\ = 247 \end{array}$$

Bronze Questions

Change the following mixed numbers into "top heavy" fractions...

1. $1\frac{1}{3}$ 2. $1\frac{1}{11}$

3. $1\frac{1}{9}$ 4. $1\frac{1}{16}$

5. $1\frac{3}{5}$ 6. $1\frac{2}{7}$

7. $1\frac{8}{9}$ 8. $1\frac{11}{15}$

Silver Questions

Change the following mixed numbers into "top heavy" fractions...

1. $3\frac{1}{2}$ 2. $8\frac{1}{7}$

3. $6\frac{1}{5}$ 4. $2\frac{1}{14}$

5. $9\frac{2}{3}$ 6. $5\frac{5}{7}$

7. $4\frac{5}{9}$ 8. $10\frac{11}{13}$

Gold Questions

Change the following mixed numbers into "top heavy" fractions...

1. $4\frac{1}{14}$ 2. $6\frac{1}{25}$

3. $5\frac{1}{31}$ 4. $7\frac{1}{65}$

5. $2\frac{3}{17}$ 6. $10\frac{17}{24}$

7. $6\frac{5}{32}$ 8. $4\frac{19}{99}$

Bronze Answers

1. $\frac{4}{3}$ 2. $\frac{12}{11}$

3. $\frac{10}{9}$ 4. $\frac{17}{16}$

5. $\frac{8}{5}$ 6. $\frac{9}{7}$

7. $\frac{17}{9}$ 8. $\frac{26}{15}$

Silver Answers

1. $\frac{7}{2}$ 2. $\frac{57}{7}$

3. $\frac{31}{5}$ 4. $\frac{29}{14}$

5. $\frac{29}{3}$ 6. $\frac{40}{7}$

7. $\frac{41}{9}$ 8. $\frac{141}{13}$

Gold Answers

1. $\frac{57}{14}$ 2. $\frac{151}{25}$

3. $\frac{156}{31}$ 4. $\frac{456}{65}$

5. $\frac{37}{17}$ 6. $\frac{257}{24}$

7. $\frac{197}{32}$ 8. $\frac{415}{99}$