

Student Worksheet

- 1) Penny had some marbles. She gave $\frac{1}{4}$ to Jose and $\frac{1}{3}$ of those remaining to Mari. She had 24 marbles left. How many did she start with?
- 2) Tom had twice as many marbles as Mari. Together Mari and Jose had 20 marbles. Tom had 5 less marbles than Jose. How many marbles did they have all together.
- 3) Solve the systems of equations:

$$\begin{array}{l} 2x+3y=4 \\ 5x+6y=7 \end{array} \quad \text{and} \quad \begin{array}{l} 4x+5y=6 \\ 7x+8y=9 \end{array}$$

What do you notice and why?