

6.3 Key Concepts 3 Table of Values Involving Fractions Worked Example

Example: Complete a table of values for $y = \frac{2}{3}x - 1$.

Solution: The fraction in the equation indicates that it is easiest to select values of x which are divisible by 3. For example, select $x = -3$.

$$\begin{aligned}y &= \frac{2}{3}(-3) - 1 \\ &= 2(-1) - 1 \\ &= -2 - 1 \\ &= -3\end{aligned}$$

A possible table of values is shown.

x	y
-3	-3
0	-1
3	1
6	3

Practice:

1. Complete a table of values for $y = \frac{2}{5}x + 1$ for at least four values of x .
2. Complete a table of values for $y = \frac{1}{4}x - 2$ for at least four values of x .