

Linear equations activity

Write in 5 minutes as many equations as you can that have the solution $n = 5$.

eg

$$n = 5$$

$$2n = 10$$

$$2n + 7 = 17$$

$$2n - 12 = -2$$

$$3(2n-12) = -6$$

$$3(2n-12) - 8 = -14$$

etc

As a check, solve your most complex one.

Extension: Do the same for simultaneous equations, e.g. $x = 3$ $y = 5 \rightarrow 2x + 3y = 21$, etc