****

Name the Film

**Solving Equations with Brackets**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| $$x=2$$ | $$x=-15$$ | $$x=9$$ | $$x=17$$ | $$x=16$$ | $$x=1$$ | $$x=3$$ | $$x=-7$$ | $$x=4$$ | $$x=15$$ | $$x=\frac{1}{2}$$ | $$x=-4$$ | $$x=\frac{3}{2}$$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| $$x=-2$$ | $$x=\frac{7}{2}$$ | $$x=7$$ | $$x=-5$$ | $$x=-\frac{1}{2}$$ | $$x=-13$$ | $$x=10$$ | $$x=-5$$ | $$x=\frac{5}{2}$$ | $$x=5$$ | $$x=-6$$ | $$x=\frac{2}{7}$$ | $$x=-17$$ |

Solve each equation, link your answers to the table above and unjumble the letters to find the name of a film:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Equation | $$3\left(x-2\right)=9$$ | $$8\left(2+x\right)=4x$$ | $$x+1=5(x-3)$$ | $$6\left(2x+1\right)=7x+16$$ | $$4\left(3-x\right)=6x+7$$ |
| Solution |  |  |  |  |  |
| Letters |  |  |  |  |  |
|  |  |  |  |  |  |
| Equation | $$5\left(4-x\right)+8=3x$$ | $$4\left(x-1\right)=2(3x-11)$$ | $$2\left(x-1\right)=4(x+7)$$ | $$3\left(x-2\right)+2\left(x+1\right)=21$$ | $$\frac{3(x-5)}{2}=x+1$$ |
| Solution |  |  |  |  |  |
| Letters |  |  |  |  |  |