## Crack the code Solving Quadratic Equations

| A | Solve by factorising $\begin{aligned} & x^{2}+4 x+3=0 \\ & x=-1, x=-3 \end{aligned}$ | B | Solve by factorising $\begin{gathered} x^{2}+7 x+10=0 \\ x=-5, x=-2 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| C | Solve by factorising $\begin{gathered} x^{2}-9 x+14=0 \\ x=7, x=2 \end{gathered}$ | D | Solve by factorising $\begin{gathered} x^{2}-12 x+27=0 \\ x=9, x=3 \end{gathered}$ |
| E | Solve by factorising $\begin{gathered} x^{2}+3 x-10=0 \\ x=-5, x=2 \end{gathered}$ | F | Solve by factorising $\begin{gathered} x^{2}+3 x-18=0 \\ x=-6, x=3 \end{gathered}$ |
| G | Solve by factorising $\begin{gathered} x^{2}-8 x-20=0 \\ x=10, x=-2 \end{gathered}$ | H | Solve by factorising $\begin{gathered} 2 x^{2}+3 x+1=0 \\ x=-1, x=-\frac{1}{2} \end{gathered}$ |
| I | Solve by factorising $\begin{gathered} 5 x^{2}-11 x+2=0 \\ x=\frac{1}{5}, x=2 \end{gathered}$ | J | Solve by factorising $\begin{gathered} 3 x^{2}+5 x-2=0 \\ x=\frac{1}{3}, x=-2 \end{gathered}$ |
| K | Solve, giving your answers to 2 decimal places, $\begin{gathered} x^{2}+6 x+2=0 \\ x=-0.35, x=-5.65 \end{gathered}$ | L | Solve, giving your answers to 2 decimal places, $\begin{gathered} x^{2}+5 x-21=0 \\ x=2.72, x=-7.72 \end{gathered}$ |
| M | Solve, giving your answers to 2 decimal places, $\begin{gathered} x^{2}-8 x-13=0 \\ x=9.39, x=-1.39 \end{gathered}$ | N | Solve, giving your answers to 2 decimal places, $\begin{aligned} & 2 x^{2}-12 x+1=0 \\ & x=5.92, x=0.08 \end{aligned}$ |

Add together all your answers, multiply by 10 and round to the nearest integer to get the three-digit code. $140 . \dot{3} \rightarrow 140$

