

Crack the Code

Harder Indices

| | | | |
|----------|---|----------|--|
| A | $49^{1/2} = \boxed{7}$ | B | $\sqrt[3]{125} = 125^{1/\boxed{3}}$ |
| C | $5^{-1} = \frac{1}{\boxed{5}}$ | D | $\frac{1}{16} = 4^{-\boxed{2}}$ |
| E | $\frac{1}{\sqrt[3]{8}} = 8^{-1/\boxed{3}}$ | F | $\boxed{36}^{-1/2} = \frac{1}{6}$ |
| G | $\left(\frac{27}{\boxed{8}}\right)^{1/3} = \frac{\boxed{3}}{2}$ | H | $\left(\frac{5}{9}\right)^{-2} = \frac{\boxed{81}}{25}$ |
| I | $216^{2/3} = \boxed{36}$ | J | $16^{\boxed{3}/2} = 64$ |
| K | $(-27)^{1/3} = \boxed{-3}$ | L | $\sqrt{2^3} = 2^{\boxed{3}/2}$ |
| M | $\frac{8}{\boxed{27}} = \left(\frac{\boxed{16}}{81}\right)^{3/4}$ | N | $\left(\frac{1}{\sqrt[3]{8}}\right)^5 = 8^{\boxed{-5}/3}$ |
| O | $\left(\frac{343}{8}\right)^{\boxed{2}/3} = \frac{49}{\boxed{4}}$ | P | $\left(\frac{\boxed{9}}{\boxed{16}}\right)^{-1/2} = \frac{4}{5}$ |
| Q | $(\sqrt{16})^3 \times 16^3 = 16^{\boxed{9}/2}$ | R | $81 \div 9^{\boxed{3}} = \frac{1}{9}$ |

To get the three-digit code, add together all the numbers in the boxes. **265**