Exercise (6): Work out.

a) $5^2 \Rightarrow 25$

b) $11^2 \Rightarrow 121$

c) $7^3 \Rightarrow 343$

d) $\sqrt{196} \Rightarrow 14$

e) $\sqrt[3]{125} \Rightarrow 5$

f) $\sqrt[3]{64} \Rightarrow 4$

g) $10^3 \Rightarrow 1000$

h) $\sqrt{324} \Rightarrow 18$

Challenging question.

Work out.

$$-7 - 10 \times \sqrt{16} \div \sqrt[3]{125} - (7 + \mathbf{6^2} \div 12) - 20 - 4^3$$

$$-7 - 10 \times \sqrt{16} \div \sqrt[3]{125} - (7 + \mathbf{36 \div 12}) - 20 - 4^3$$

$$-7 - 10 \times \sqrt{16} \div \sqrt[3]{125} - (\mathbf{7 + 3}) - 20 - 4^3$$

$$-7 - 10 \times \mathbf{\sqrt{16}} \div \mathbf{\sqrt[3]{125}} - 10 - 20 - \mathbf{4^3}$$

$$-7 - \mathbf{10 \times 4} \div 5 - 10 - 20 - 64$$

$$-7 - \mathbf{40 \div 5} - 10 - 20 - 64$$

$$\mathbf{-7 - 8} - 10 - 20 - 64$$

$$\mathbf{-15 - 10} - 20 - 64$$

$$\mathbf{-25 - 20} - 64$$

$$-45 - 64$$

$$\mathbf{-109}$$