TAKE 5 ... Negative & Fractional Indices

Q1. Write these numbers in order of size. Start with the smallest number.

$$5^{-1} \quad 0.5 \quad -5 \quad 5^0$$

(2)

Q2. Write down the value of
(i) 7^0

(ii) 5^{-1}

(iii) $9^{\frac{1}{2}}$

(3)

Q3. (a) Write down the value of $27^{\frac{1}{3}}$

(1)

(b) Find the value of $25^{-\frac{1}{2}}$

(2)

Q4. (a) Write down the value of

(i) 7^0

(ii) 5^{-2}

(iii) $16^{\frac{1}{2}}$

(3)

(b) Simplify fully $\frac{10a^7b^4}{2a^3b}$

(2)

Q5. (a) Write down the value of 6^0

(1)

(b) Work out $64^{-\frac{2}{3}}$

(2)