

1.

- (b) $\sqrt[3]{5\frac{1}{16}}$ can be expressed as the rational number $\frac{p}{q}$ where p and q are integers.

Find the value of p and the value of q .

2.

- (a) Write down the two cube numbers between 10 and 100.

3.

Write down

- (a) a square number that is a factor of 75,

- (b) a cube number that is a multiple of 24.

4.

- (a) Find the value of

(i) $\sqrt{121}$,

(ii) $\sqrt[3]{-27}$.

5.

- (a) Find an integer r such that $r > 5$ and $5r - 1$ is a square number.

6.

- (a) Evaluate

(i) $\sqrt[3]{216}$,