

Index Numbers

Choose the correct answer.

1) What is the value of 3^4 ?

a) 12

c) 27

b) 81

d) 216

2) Find the value of 4^{-2} ?

a) $\frac{1}{16}$

c) 16

b) $\frac{1}{4}$

d) $\frac{1}{-8}$

3) Write $b^5 \times b^3 \times b^2$ as a single number in index form.

a) b^{10}

c) b^{30}

b) b^6

d) b^5

4) What is the value of 145^0

a) 0

c) 145

b) 45^4

d) 1

5) Write $4^3 \times 4^3 \div 4^6$ in index form.

a) 4^3

c) 4^6

b) 4^0

d) 4^{12}

6) Give the answer in index form $\frac{6^3 \times 6^3}{6^4}$

a) 6^{10}

c) 6^2

b) 6^3

d) 6^5

7) What is the value of $8^5 \div 8^6$

a) 8^1

c) 8^4

b) 8^{-1}

d) 16

8) What is the value of 10^4 ?

a) 1000

c) 10

b) 40

d) 10000
