

## Index Numbers

Fill in the blanks,

1) What is the value of  $3^4$  ? \_\_\_\_\_

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

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

4) What is the value of  $145^0$  ? \_\_\_\_\_

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

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

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

8) What is the value of  $10^4$  ? \_\_\_\_\_

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## Rounding

Choose the correct answer.

9) Write 0.9753 correct to 3 decimal places.

- a) 9.753
- b) 0.970
- c) 0.975

10) Write 6.749 correct to 2 decimal places.

- a) 6.75
- b) 0.675
- c) 6.74

11) Write 9.5508 correct to 3 decimal places.

- a) 9.55
- b) 9.551
- c) 9.560

12) Round 73.721 correct to the nearest unit.

- a) 74
  - b) 73
  - c) 73.7
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13) Write 0.9753 correct to 3 significant figures.

- a) 9.75
  - b) 0.975
  - c) 09.750
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14) Write 4763 correct to 2 significant figures.

- a) 4760
  - b) 4700
  - c) 4800
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## Standard Form / Ordinary Form

### A) Fill in the blanks :

15) Change  $3.207 \times 10^{-3}$  into ordinary number.

\_\_\_\_\_

16) When we change 33356 to standard form, what is the correct powers of 10 ;  $3.3356 \times 10^{\dots}$  \_\_\_\_\_

17) Change  $7.12 \times 10^5$  into ordinary number.

\_\_\_\_\_

18) Change  $1.45 \times 10^{-1}$  into ordinary form.

\_\_\_\_\_

19) Change  $6.1235 \times 10^2$  into ordinary form.

\_\_\_\_\_

**B) Choose the correct answer :**

20) Change 0.0000234 to standard form.

a)  $0.234 \times 10^{-5}$

b)  $2.34 \times 10^{-5}$

c)  $23.4 \times 10^{-1}$

21) Change 7267000 to standard form.

a)  $7.267 \times 10^6$

b)  $7.267 \times 10^{-6}$

c)  $7.267 \times 10^5$

22) Change 0.000678 to standard form.

a)  $678 \times 10^4$

b)  $6.78 \times 10^{-4}$

c)  $6.78 \times 10^5$