



•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^5 = \frac{1}{2^5} = \frac{1}{32}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^6 = \frac{1}{2^6} = \frac{1}{64}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^7 = \frac{1}{2^7} = \frac{1}{128}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^8 = \frac{1}{2^8} = \frac{1}{256}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^9 = \frac{1}{2^9} = \frac{1}{512}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^{10} = \frac{1}{2^{10}} = \frac{1}{1024}$

•  $(\frac{1}{2})^n = \frac{1}{2^n}$  -  $(\frac{1}{2})^n = \frac{1}{2^n}$   
( $\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$ ) -  $(\frac{1}{2})^{11} = \frac{1}{2^{11}} = \frac{1}{2048}$

## Questions for Oral Answers

1.  $(\frac{1}{2})^1 = \frac{1}{2^1} = \frac{1}{2}$  -  $(\frac{1}{2})^1 = \frac{1}{2}$   
 $(\frac{1}{2})^2 = \frac{1}{2^2} = \frac{1}{4}$  -  $(\frac{1}{2})^2 = \frac{1}{4}$

2.  $(\frac{1}{2})^3 = \frac{1}{2^3} = \frac{1}{8}$  -  $(\frac{1}{2})^3 = \frac{1}{8}$   
 $(\frac{1}{2})^4 = \frac{1}{2^4} = \frac{1}{16}$  -  $(\frac{1}{2})^4 = \frac{1}{16}$

3.  $(\frac{1}{2})^5 = \frac{1}{2^5} = \frac{1}{32}$  -  $(\frac{1}{2})^5 = \frac{1}{32}$   
 $(\frac{1}{2})^6 = \frac{1}{2^6} = \frac{1}{64}$  -  $(\frac{1}{2})^6 = \frac{1}{64}$

4.  $(\frac{1}{2})^7 = \frac{1}{2^7} = \frac{1}{128}$  -  $(\frac{1}{2})^7 = \frac{1}{128}$   
 $(\frac{1}{2})^8 = \frac{1}{2^8} = \frac{1}{256}$  -  $(\frac{1}{2})^8 = \frac{1}{256}$   
 $(\frac{1}{2})^9 = \frac{1}{2^9} = \frac{1}{512}$  -  $(\frac{1}{2})^9 = \frac{1}{512}$   
 $(\frac{1}{2})^{10} = \frac{1}{2^{10}} = \frac{1}{1024}$  -  $(\frac{1}{2})^{10} = \frac{1}{1024}$

5.  $(\frac{1}{2})^{11} = \frac{1}{2^{11}} = \frac{1}{2048}$  -  $(\frac{1}{2})^{11} = \frac{1}{2048}$   
 $(\frac{1}{2})^{12} = \frac{1}{2^{12}} = \frac{1}{4096}$  -  $(\frac{1}{2})^{12} = \frac{1}{4096}$

6.  $(\frac{1}{2})^{13} = \frac{1}{2^{13}} = \frac{1}{8192}$  -  $(\frac{1}{2})^{13} = \frac{1}{8192}$   
 $(\frac{1}{2})^{14} = \frac{1}{2^{14}} = \frac{1}{16384}$  -  $(\frac{1}{2})^{14} = \frac{1}{16384}$

