

基本功专项训练(八)

有理数的乘方

1. 计算:

$$(1) (-1)^5;$$

$$(2) (-1)^{2018};$$

$$(3) (-0.1)^3;$$

$$(4) \left(\frac{3}{2}\right)^4;$$

$$(5) 10^5;$$

$$(6) 0^{2019};$$

$$(7) -2^2;$$

$$(8) (-2)^2;$$

$$(9) -3^3;$$

$$(10) (-3)^3;$$

$$(11) - (-2^2);$$

$$(12) - (-2)^2;$$

$$(13) \left(\frac{2}{3}\right)^2;$$

$$(14) \frac{2}{3^2};$$

$$(15) \frac{2^2}{3};$$

$$(16) -\frac{2^3}{3}.$$

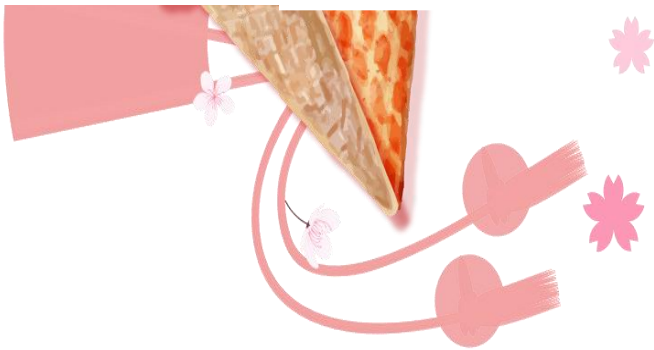


2. 计算：

$$(1) (-2)^3 \times (-2)^2;$$



$$(2) \left(-\frac{1}{2}\right)^3 \times \left(-\frac{1}{2}\right)^5;$$



$$(3) -4^2 \times (-4)^2;$$



$$(4) \left(-\frac{2}{5}\right)^2 \times \left(-2\frac{1}{2}\right)^3.$$

