

Base and Exponent

A) Identify the base and exponent in each of the following.

1) $(-5y)^{-9}$

Base = _____

Exponent = _____

2) $\left(\frac{9}{5}\right)^3$

Base = _____

Exponent = _____

3) $\left(\frac{4p}{7}\right)^{-2}$

Base = _____

Exponent = _____

4) $\left(\frac{s}{2}\right)^7$

Base = _____

Exponent = _____

5) $\left(-\frac{x}{3}\right)^5$

Base = _____

Exponent = _____

6) $(8.8)^{-1}$

Base = _____

Exponent = _____

B) Write the numerals in exponential form.

S.No	Base	Exponential Form
1)	-2	
2)	$(x -$	
3)	5	
4)	$-\frac{6}{8}$	

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

C) 1) Which of the following has 0 as the exponent?

i) $(9.2)^{-8}$

ii) $(-4)^{-3}$

iii) $(-2.3)^0$

iv) $(0.4)^{-2}$

2) Which of the following has w as the base?

i) w^{-7}

ii) $\left(-\frac{w}{9}\right)^2$

iii) 3^{-4}

iv) $\left(\frac{w}{2}\right)^{-6}$

Name : _____

Base and Exponent

A) Identify the base and exponent in each of the following.

1) $(-5y)^{-9}$

Base = -5y

Exponent = -9

2) $\left(\frac{9}{5}\right)^3$

Base = $\frac{9}{5}$

Exponent = 3

3) $\left(\frac{4p}{7}\right)^{-2}$

Base = $\frac{4p}{7}$

Exponent = -2

4) $\left(\frac{s}{2}\right)^7$

Base = $\frac{s}{2}$

Exponent = 7

5) $\left(-\frac{x}{3}\right)^5$

Base = 8.8

Exponent = -1

6) $(8.8)^{-1}$

B) Write the numerals in

Exponent.

S.No	Base	Exponential Form
1)	-2	$(-2q)^6$
2)	$(x - 8)$	$(x - 8)^9$
3)	5	5^{-5}
4)	$-\frac{c}{8}$	$\left(-\frac{c}{8}\right)^{-2}$

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

C) 1) Which of the following has 0 as the exponent?

i) $(9.2)^{-8}$

ii) $(-4)^{-3}$

iii) $(-2.3)^0$

iv) $(0.4)^{-2}$

2) Which of the following has w as the base?

i) w^{-7}

ii) $\left(-\frac{w}{9}\right)^2$

iii) 3^{-4}

iv) $\left(\frac{w}{2}\right)^{-6}$