

Maths

# Convert large standard form numbers to ordinary form

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NATIONAL  
ACADEMY

# Convert large standard form numbers to ordinary form

1. Here are some number cards.

$$29 \times 10^2$$

$$0.12 \times 10^2$$

$$3.2 \times 10^{2.5}$$

$$3 \times 10^{12}$$

$$27 \times 10^2$$

Which card is written correctly in standard form?

2. Match the cards of equal value.

$$2.9 \times 10^4$$

$$2,900,000$$

$$2.09 \times 10^3$$

$$29,000$$

$$2.9 \times 10^6$$

$$2,090$$

$$2.09 \times 10^4$$

$$20,900$$



## Convert large standard form numbers to ordinary form

3. Write each standard form number in ordinary form.

a)  $6 \times 10^4$

b)  $1.7 \times 10^5$

c)  $4.12 \times 10^3$

d)  $3.1 \times 10^7$

e)  $8.02 \times 10^5$

f)  $5.301 \times 10^8$

4. Tommy thinks that  $5 \times 10^4$  is greater than  $4 \times 10^5$ .

Show that Tommy is wrong.

5. Complete these statements using  $<$ ,  $>$  or  $=$

$$5.6 \times 10^6 \quad \bigcirc \quad 6 \times 10^5$$

$$71\,000 \quad \bigcirc \quad 7.1 \times 10^5$$



# Answers



# Convert large standard form numbers to ordinary form

1. Here are some number cards.

$$29 \times 10^2$$

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Which card is written correctly in standard form?

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$$2.9 \times 10^4$$

2,900,000

$$2.09 \times 10^3$$

29,000

$$2.9 \times 10^6$$

2,090

$$2.09 \times 10^4$$

20,900



# Convert large standard form numbers to ordinary form

3. Write each standard form number in ordinary form.

a)  $6 \times 10^4 = 60,000$

b)  $1.7 \times 10^5 = 170,000$

c)  $4.12 \times 10^3 = 4,120$

d)  $3.1 \times 10^7 = 31,000,000$

e)  $8.02 \times 10^5 = 802,000$

f)  $5.301 \times 10^8 = 530,100,000$

4. Tommy thinks that  $5 \times 10^4$  is more than  $4 \times 10^5$ .

Show that Tommy is wrong.

$5 \times 10^4 = 50,000$

$4 \times 10^5 = 400,000$  This is more.

5. Complete these statements using  $<$ ,  $>$  or  $=$

$5.6 \times 10^6$   $>$   $6 \times 10^5$

$71,000$   $<$   $7.1 \times 10^5$

