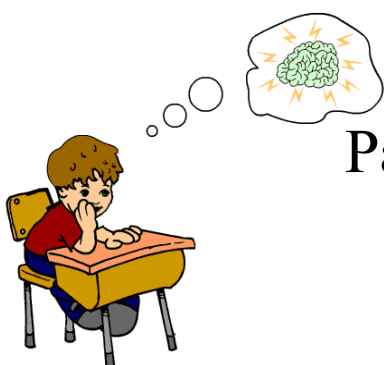


PRACTICE TIME



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- # 4(a, b)
- # 5(a, b, c, d)
- #6(a, c, e)
- #8(a, c, e,f)
- #9(all)
- #10 all
- #11
- #13

4. Evaluate each power.

a) 50^0 | b) 9^0

5. Evaluate each power.

a) $(-6)^0$ | b) -11^0 | c) -8^0 | d) $(-24)^0$

6. Write each number as a power of 10.

a) 1000

c) 1 000 000 000

e) one hundred billion

8. Evaluate each power of 10.

a) 10^7

c) 10^0

e) 10^1

f) 10^6

9. Use powers of 10 to write each number.

a) 6 000 000 000

b) 200

c) 51 415

d) 60 702 008

e) 302 411

f) 2 000 008

10. Write each number in standard form.

a) 7×10^7

b) $(3 \times 10^4) + (9 \times 10^3) + (5 \times 10^1)$
 $+ (7 \times 10^0)$

c) $(8 \times 10^8) + (5 \times 10^5) + (2 \times 10^2)$

d) $(9 \times 10^{10}) + (8 \times 10^9) + (1 \times 10^0)$

e) 1×10^{15}

f) $(4 \times 10^3) + (1 \times 10^0) + (9 \times 10^5)$
 $+ (3 \times 10^1)$

11. The data below refer to trees in Vancouver.

Use powers of 10 to write each number.

-
- Street trees have an estimated value of over \$500 million.
-
- In the past decade, the Park Board has planted almost 40 000 new street trees.
-
- Nearly 3 million ladybugs are released every year to help control aphids on street trees.
-
- The most common street tree is the Japanese flowering cherry, with over 17 000 growing on city streets.
-
- There are 130 000 trees lining the streets of Vancouver.
-
- There are nearly 600 different types of trees.
-

13. In each pair, which number is greater?

How do you know?

a) $(4 \times 10^3) + (6 \times 10^2) + (6 \times 10^1)$
 $+ (7 \times 10^0)$ or 4327

b) $(2 \times 10^4) + (4 \times 10^3) + (2 \times 10^2)$
 $+ (4 \times 10^1)$ or 2432

c) $(7 \times 10^7) + (7 \times 10^3)$ or 777 777