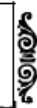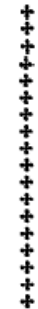# What Does The Fairy Queen Like Best About Her Job?

> Do each exercise and find your answer in the set of answers to the right. Write the letter of the answer in the box containing the number of the exercise.

Give the missing exponent or factor.

(1) $3,800 = 3.8 \times 10^{\square}$

(2) $160,000 = 1.6 \times 10^{\square}$

(3) $70,000,000 = 7 \times 10^{\square}$

(4) $4,920,000 = 4.92 \times 10^{\square}$

(5) $63,000 = \square \times 10^4$

(6) $5,081,000 = \square \times 10^6$

(7) $900,000 = \square \times 10^5$

(8) $274,000,000 = \square \times 10^8$

Answers 1 – 8:

(T) 50.81 (F) 8 (N) 5.081

(C) 6 (S) 3 (I) 630

(A) 2.74 (H) 9 (E) 7

(H) 5 (A) 6.3 (U) 0.274

Write the number in scientific notation.

(9) 47,000

(10) 4,700,000

(11) 516,000,000

(12) 516,000

(13) 3,000,000

(14) 30,000,000

(15) 805,000

(16) 8,050

(17) Light travels at a speed of 186,000 miles per second.

Answers 9 – 17:

(K) 1.86×10^4 (Y) 3×10^6 (I) 8.05×10^3

(A) $5.16 \; x \; 10^8$ (F) 8.05×10^4 (R) 4.7×10^8

(T) 3×10^7 (N) 1.86×10^5 (E) 3×10^9

(V) 4.7×10^4 (T) 5.16×10^6 (H) 8.05×10^5

(L) 80.5×10^3 (E) 4.7×10^6 (N) 5.16×10^5

Write the number in standard form.

(18) 9.8×10^5

(19) 9.8×10^3

(20) 1.72×10^4

(21) 1.72×10^7

(22) 5×10^9

(23) 5×10^6

(24) 7.066×10^5

(25) 7.066×10^8

(26) The estimated temperature at the sun's core is 2.5×10^7 degrees Fahrenheit.

Answers 18 – 26:

(H) 17,200 (N) 706,600 (W) 5,000,000,000

(R) 50,000,000 (T) 98,000 (G) 980,000

(F) 70,660 (A) 5,000,000 (O) 1,720,000

(S) 9,800 (L) 70,660,000 (D) 706,600,000

(E) 17,200,000 (S) 25,000,000 (P) 2,500,000

1	2	3		4	5	6		7	8	9	10		11	12	13	14	15	16	17	18		19	20	21		22	23	24	25	26