Section 11 Answers

Why Isn't a Snowman Very Smart?

1a. n^5
b. n^{11}
c. $10n^6$
d. $10n^{11}$

2a. y^6
b. y^{10}
c. $49y^4$
d. $125y^{12}$

3a. v^3
b. v^5
c. $4v^7$
d. $4v$

4a. $10a^6$
b. $7a^3$
c. $36a^{16}$
d. $13a^8$

5a. $64a^3$
b. $12q$
c. q^{12}
d. $4q^3$

6a. m^5
b. $\frac{1}{m^5}$
c. $5m^7$
d. $\frac{1}{5m^7}$

7a. t^{11}
b. $t^6 + t^5$
c. $24t^4$
d. $3t + 8t^3$

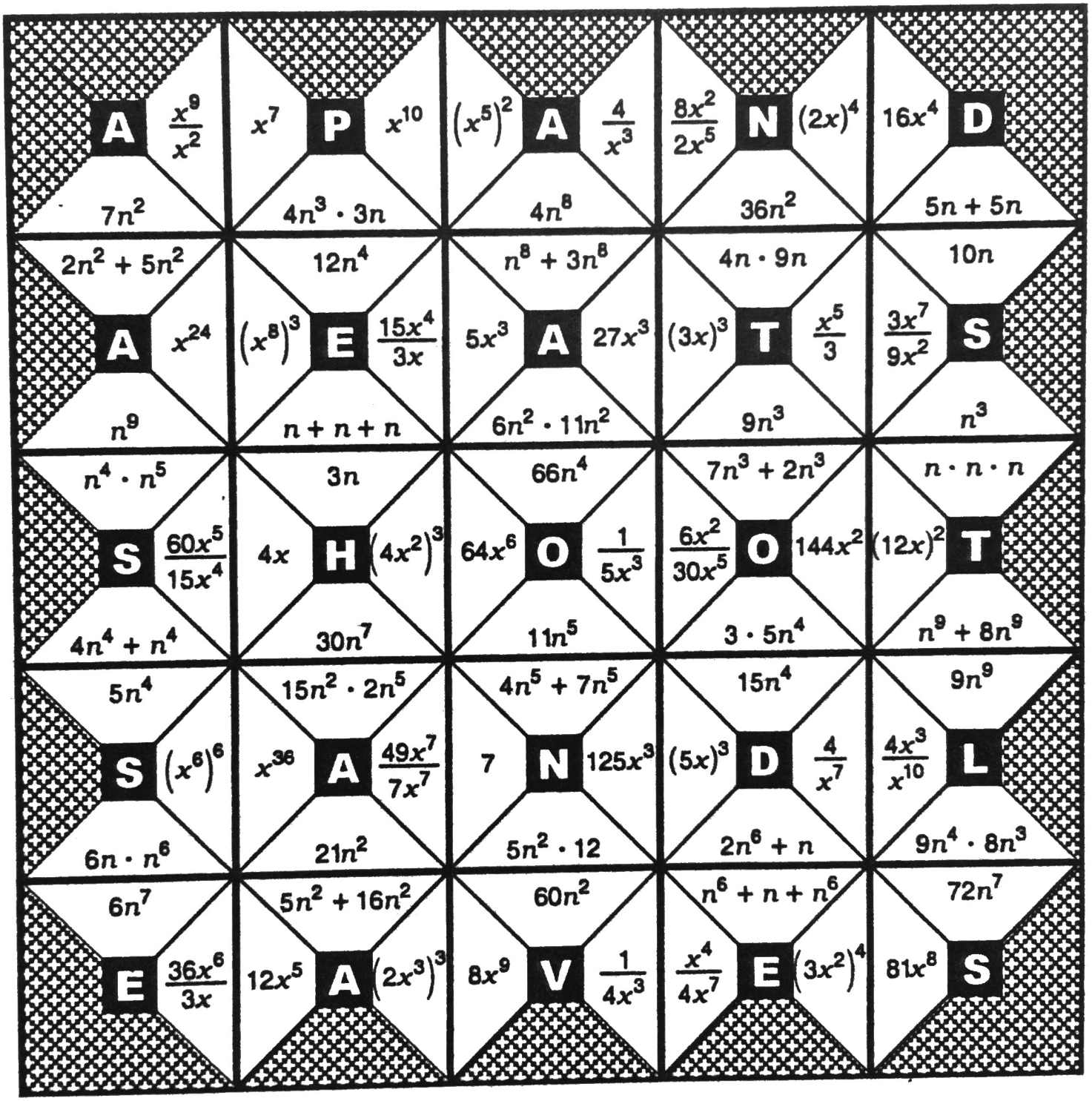
8a. $225k^2$
b. $30k$
c. $32k^{30}$
d. $64k^{30}$

9a. $7x^5$
b. $\frac{7}{x^5}$
c. $\frac{x^5}{7}$
d. $\frac{1}{7x^5}$

10a. w^6
b. $-w^9$
c. w^{12}
d. $-w^{15}$

HE HAS SNOW BRAINS

Why Did the Panda Eat Dinner At the Shanghai Diner, Then Fire a Basketball Into the Trash Can Before Walking Out?



A PANDA EATS SHOOTS AND LEAVES **11.2**

What Do You Call a Bar of Soap That Doesn't Clean?

1. x^7
2. $7x^4$
3. $12x^5$
4. x^{13}
5. $30x^9$
6. x^{11}
7. a^4b^4
8. $6a^2b^6$
9. $-36a^6b^3$
10. $-8a^4b^3$
11. $14a^5b^7$
12. $-36a^3b^7$
13. $-5m^{11}t^2$
14. $-60m^4t^6$
15. $77m^5t^{10}$
16. $6m^6t^5$
17. $16m^5t^8$
18. $-60m^8t^6$

19. n^6
20. n^{10}
21. $25n^{16}$
22. $-8n^{12}$
23. $1000n^3$
24. $81n^{36}$
25. $9x^4y^6$
26. $125x^{12}y^3$
27. $49x^{10}y^4$
28. $-64x^3y^{24}$
29. $-32x^{10}y^{15}$
30. $81x^{28}y^8$
31. $50k^5d^3$
32. $-81k^2d^{11}$
33. $-k^3d^4$
34. $-16k^6d^2$
35. $k^{17}d^{17}$
36. k^8d^6

A RUBBA DUB DUD

How Does the King's Son Write?

1a. $9x^6$

b. $20x^5$

c. $24x^5$

d. $-6x^{10}$

2a. $49n^6$

b. $-64n^{24}$

c. $625n^{16}$

d. $64n^{12}$

3a. $16m^{14}d^4$

b. $81m^8d^6$

c. $-m^6d^{15}$

d. $81m^4d^{36}$

4a. $75x^5y^3$

b. $-56x^3y^7$

c. $100x^{18}y^{11}$

d. $-9xy^{19}$

5a. $10p^{11}q^5$

b. $-72p^{16}q^3$

c. $72p^5q^{10}$

d. $-72p^{10}q^8$

6a. $64u^6t^8$

b. $16u^{16}t^{23}$

c. u^4t^6

d. $-u^{10}t^8$

7a. $27a^9b^{22}c^{17}$

b. $a^5b^{12}c^{14}$

c. $-88a^4b^4c^5$

d. $a^{12}b^6c^{10}$

8a. $15k^{17}v^{10}$

b. $40k^{15}v^9$

c. $15k^9v^8$

d. $-k^9v^9$

HE PRINCE

Why Was the Deck of Cards Always in Trouble?

1a. $4x^2$ **1b.** $-4x^3$

2a. $2m^3n$ **2b.** $5m^8n^4$

3a. $\frac{2b^3}{a^3}$ **3b.** $-\frac{a^2}{2b^5}$

4a. ke **4b.** ke^3

5a. $\frac{9c^5}{2d}$ **5b.** $\frac{d^2}{5c^5}$

6a. $\frac{64x^2}{y^6}$ **6b.** $-\frac{x^{15}}{8y^6}$

7a. $\frac{4a^2b^6}{c^4}$ **7b.** $a^3b^9c^6$

8a. $-5v$ **8b.** $5t^5$

9a. $\frac{1}{w^3h^2}$ **9b.** $-\frac{1}{w^3}$

10a. $\frac{25q^4}{16p^4}$ **10b.** $-\frac{27q^{12}}{p^3}$

11a. 16 **11b.** $\frac{n^2}{5}$

12a. $\frac{a^{3x}}{7^x b^{2x}}$ **12b.** $\frac{a^{x^2}}{b^{xy}}$

What Did Professor Utterbunk Say When Asked:
Have You Ever Heard of the Planet Saturn?

1. 125

2. $\frac{1}{125}$

3. $\frac{1}{243}$

4. $-\frac{1}{125}$

5. $\frac{1}{144}$

6. $-\frac{1}{144}$

7. 1

8. $-\frac{1}{64}$

9. $-\frac{1}{64}$

10. $\frac{1}{100,000}$

11. $-\frac{1}{100,000}$

12. 1

13. $\frac{1}{75}$

14. $-\frac{1}{75}$

15. $\frac{1}{16}$

16. $-\frac{1}{16}$

17. $7a$

18. $\frac{7a}{b^4}$

19. $\frac{7b^4}{a}$

20. $\frac{ab}{49}$

21. $\frac{2x^3}{y^8}$

22. $\frac{2y^8}{x^3}$

23. $\frac{1}{2x^3y^8}$

24. $3n^2t^5$

25. $\frac{81t^5}{n^2}$

26. $\frac{n^2}{81t^5}$

27. $\frac{64}{5cd^6}$

28. $320d^6$

29. $\frac{c}{320d^6}$

30. $-\frac{5}{64c}$

I'M NOT SURE BUT IT
HAS A FAMILIAR RING

What Did People Say After Two Satellite Dishes Got Married?

A. 512	**B.** $\frac{1}{512}$	**E.** -512	**L.** $-\frac{1}{512}$	**I.** 625
T. $\frac{1}{625}$	**E.** $-\frac{1}{625}$	**D.** 1	**T.** $\frac{1}{81}$	**N.** $-\frac{1}{81}$
U. $\frac{5a}{b^3}$	**W.** $\frac{125}{a^3b}$	**D.** $\frac{ab^3}{125}$	**H.** $\frac{16}{b^8}$	**S.** $\frac{a}{16b^8}$
W. $\frac{k^5}{7n^2}$	**L.** $\frac{n^2}{49k^5}$	**G.** $\frac{1}{343n^2}$	**D.** $\frac{n^2}{98k}$	**U.** $-\frac{n^2k^5}{98}$

O. 343	**E.** $\frac{1}{343}$	**A.** -343	**H.** $-\frac{1}{343}$	**T.** 400
E. $\frac{1}{400}$	**A.** $-\frac{1}{400}$	**S.** 1	**E.** $\frac{1}{256}$	**I.** $-\frac{1}{256}$
T. $\frac{9a}{b^2}$	**E.** $\frac{81}{a^2b}$	**T.** $\frac{ab^2}{81}$	**W.** $\frac{64}{b^{10}}$	**R.** $\frac{a}{64b^{10}}$
G. $\frac{k^8}{6n^3}$	**N.** $\frac{n^3}{36k^8}$	**C.** $\frac{1}{216n^3}$	**R.** $\frac{n^3}{144k}$	**P.** $-\frac{n^3k^8}{144}$

THE WEDDING WAS DULL BUT
THE RECEPTION WAS GREAT

What Is Special About a Radioactive Cat?

1. 3.45×10^{6}

2. 7.7×10^{-4}

3. 7

4. 11

5. -5

6. -11

7. 380,000

8. 0.000038

9. 38,000,000

10. 62,500

11. 0.00625

12. 0.0000000625

13. 7.2×10^{4}

14. 7.2×10^{12}

15. 7.2×10^{-7}

16. 4.19×10^{7}

17. 4.19×10^{-3}

18. 4.19×10^{-11}

19. 2.22×10^{4}

20. 2.22×10^{7}

21. 5.4×10^{-5}

22. 5.4×10^{-14}

IT HAS EIGHTEEN HALF LIVES

What Did Mr. Cabinetmaker Say To Mrs. Cabinetmaker?

D. x^3	**E.** $\frac{1}{x^3}$	**F.** x^6
E. $12x^5$	**D.** $\frac{14}{x^2}$	**T.** $\frac{30}{x^{12}}$
I. $-10x^5$	**N.** $\frac{8}{x^6}$	**E.** $-45x^3$
O. -36	**W.** $\frac{30}{x^4}$	**N.** $-\frac{64}{x^8}$
R. $18a^5b^5$	**O.** $-\frac{8b^{11}}{a^2}$	**F.** $\frac{48b^{13}}{a}$
O. $20a^4b^7$	**R.** $48b^3$	**H.** $12a^3$
S. $\frac{12a^3}{b^7}$	**U.** $-\frac{20b^6}{a}$	**O.** $-\frac{100}{a^{12}b^3}$
E. $-\frac{49}{a^6b^3}$	**M.** $\frac{18}{a^3b^{17}}$	**R.** $-8a^6b^8$
E. 6×10^7	**O.** 3.6×10^5	**V.** 7.2×10^{-7}
S. 2.4×10^8	**H.** 2.5×10^{-6}	**R.** 2.4×10^{-10}
E. 3.6×10^4	**S.** 7.2×10^{-19}	
U. 1.5×10^8	**L.** 1.6×10^{13}	

WE NEED TO FIND MORE HOURS FOR OUR SHELVES

How Did the Absent-Minded Professor Burn His Ear?

E. n^7

N. n^{10}

H. $\frac{1}{n^{10}}$

A. n^{39}

O. $\frac{1}{n^4}$

I. $\frac{1}{n^{16}}$

E. n^{76}

I. $x^{10}y^8$

N. $1000x^5y^6$

H. $-x^9y^{24}$

E. $x^{12}y^{10}$

G. $81y^2$

T. $\frac{81y^{12}}{x^2}$

W. $-\frac{125x^8}{y^{13}}$

N. $49d^2$

H. $64d^6$

S. $-64d^6$

A. $\frac{1}{64d^6}$

O. $25d^8$

E. $-64d^7$

H. $\frac{1}{81d^{29}}$

N. $36m^{14}t^8$

R. $27m^6t^4$

W. $16m^4t^6$

G. $-225m^7t^{12}$

N. $\frac{256}{m^4t^4}$

P. $30m^2t^2$

R. 1

HE WAS IRONING WHEN THE PHONE RANG