Multiplying Monomials – Puzzle

Simplify and match the corresponding answer from the given letter codes and solve the puzzle at the bottom that has the given question numbers.

1. $(2a^5)(3a)^3$
2. $(4m)(-n^5)$
3. $(-12p^2)(-12p^2)$
4. $(-x^3)(x^5)$

5. $(pq^4)(10p^4q)$
6. $(4)(16z)$
7. $(2z)^2(3)$

8. $(yz)(yz)^9$
9. $(d)(c^2d)$
10. $(7q^2p)(-3p)$

11. $(d)^2(5ab^2d)$
12. $(rs)(r^4p)$
13. $(x^5y)(-x)$

Letter Code

A $12z^2$	C $-21p^2q^2$	E $10p^5q^5$	H $-x^8$
I $5ab^2d^3$	N $-x^6y$	M $64z$	T $y^{10}z^{10}$	A pr^5s
M $54a^8$	T $144p^4$	I c^2d^2	A $-4mn^5$

Puzzle

1	2	3	4	5	6	7	8	9	10	11	12	13

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MATH MONKS

Answers

1. $(2a^5)(3a)^3$ — $54a^8$
2. $(4m)(-n^5)$ — $-4mn^5$
3. $(-12p^2)(-12p^2)$ — $144p^4$
4. $(-x^3)(x^5)$ — $-x^8$
5. $(pq^4)(10p^4q)$ — $10p^5q^5$
6. $(4)(16z)$ — $64z$
7. $(2z)^2(3)$ — $12z^2$
8. $(yz)(yz)^9$ — $y^{10}z^{10}$
9. $(d)(c^2d)$ — c^2d^2
10. $(7q^2p)(-3p)$ — $-21p^2q^2$
11. $(d)^2(5ab^2d)$ — $5ab^2d^3$
12. $(rs)(r^4p)$ — pr^5s
13. $(x^5y)(-x)$ — $-x^6y$

Letter Code

A $12z^2$	C $-21p^2q^2$	E $10p^5q^5$	H $-x^8$
I $5ab^2d^3$	N $-x^6y$	M $64z$	T $y^{10}z^{10}$	A pr^5s
M $54a^8$	T $144p^4$	I c^2d^2	A $-4mn^5$

Puzzle

M	A	T	H	E	M	A	T	I	C	I	A	N
1	2	3	4	5	6	7	8	9	10	11	12	13