

Color by Number in Binomial Theorem

Find each coefficient or term described. Then, color your answer on the picture below by the indicated color code. Also write the question numbers in the circles accompanying the respective answers in the picture.

Color Brown:

- ① 2nd term in expansion of $(4a + 2b^3)^3$
- ② 4th term in expansion of $(m^2 + 3)^4$

Color Pink:

- ③ 5th term in expansion of $(1 - 2p)^5$
- ④ 3rd term in expansion of $(x - 4)^6$

Color Green:

- ⑤ 1st term in expansion of $(x^2 + y^2)^3$
- ⑥ 2nd term in expansion of $(2p^3 - 1)^3$

Color Red:

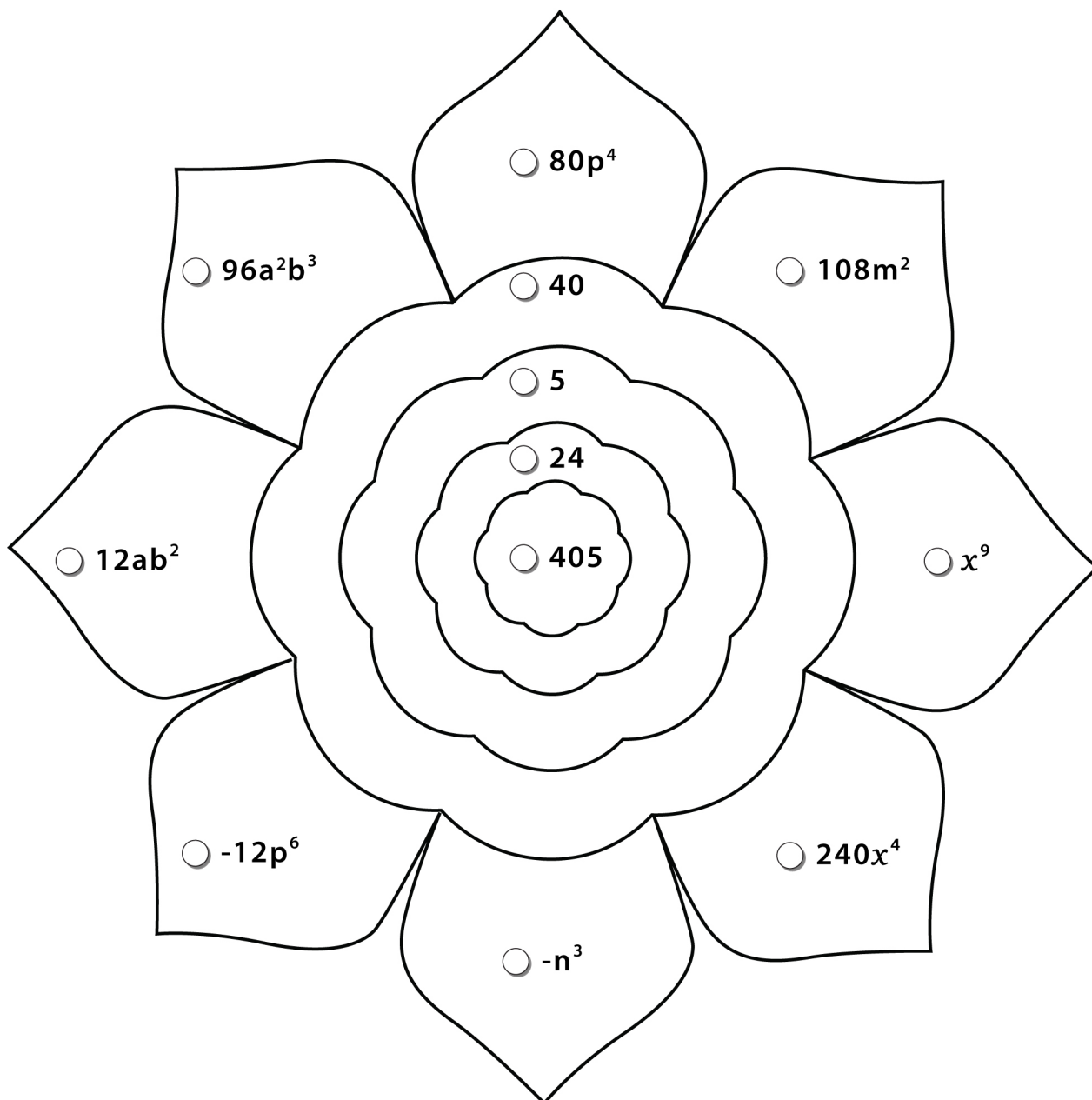
- ⑦ 4th term in expansion of $(4m - n)^3$
- ⑧ 3rd term in expansion of $(a - 2b)^3$

Color Blue:

- ⑨ Coefficient of $x^{12}y^6$ in expansion of $(x^4 + 2y^3)^5$
- ⑩ Coefficient of m^2 in expansion of $(2m - 1)^4$

Color Yellow:

- ⑪ Coefficient of uv^8 in expansion of $(u - v^2)^5$
- ⑫ Coefficient of x in expansion of $(x + 3)^5$



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Answers

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