

Calcul avec les racines carrées

Découpe les 24 pièces du puzzle et assemble-les de telle sorte que les expressions face à face soient égales.

Attention, les « bords » du puzzle ne sont pas vide (il y a des expressions sans correspondance).

Colle ton travail sur une feuille.

La forme à obtenir est celle ci-dessous :

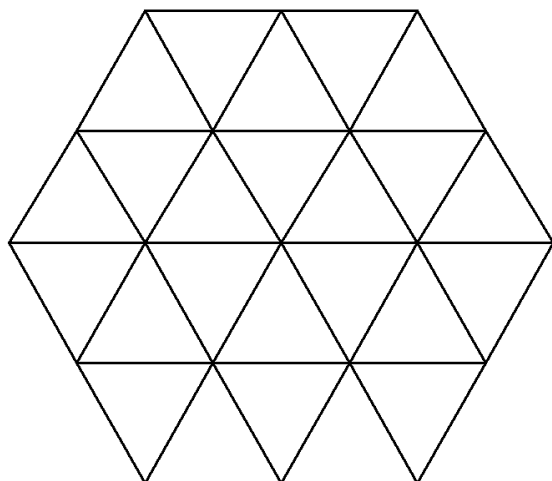


Diagram showing the 24 puzzle pieces arranged in a large hexagonal shape. Each piece is a triangle containing mathematical expressions involving square roots and numbers. The pieces are numbered 1 through 24. The expressions are as follows:

- 1: $11 - 4\sqrt{7}$
- 2: $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 3: $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 4: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 5: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 6: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 7: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 8: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 9: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 10: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 11: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 12: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 13: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 14: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 15: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 16: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 17: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 18: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 19: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 20: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 21: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 22: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 23: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$
- 24: $11 - 4\sqrt{7}$, $3\sqrt{31}$, $8\sqrt{5}$, $3\sqrt{3} \times 9\sqrt{2}$, $2\sqrt{32} - 2\sqrt{2}$, $2\sqrt{23}$, $33\sqrt{2}$

