Napier’s bones

ANSWER KEY

12 exercises | A4 | 2 / 2

Use after completing the practice page. Values are generated by the page's shared engine.

Equivalent exact representations are valid where the prompt allows them. Non-integer results are rounded to two decimals.

1 **Answer: 3736**

Diagonal 1 (1 place), before carrying: 6; Diagonal 2 (10 place), before carrying: 13; Diagonal 3 (100 place), before carrying: 6; Diagonal 4 (1000 place), before carrying: 3; Product after carrying: 3736

2 **Answer: 210**

Diagonal 1 (1 place), before carrying: 0; Diagonal 2 (10 place), before carrying: 11; Diagonal 3 (100 place), before carrying: 1; Product after carrying: 210

3 **Answer: 114**

Diagonal 1 (1 place), before carrying: 4; Diagonal 2 (10 place), before carrying: 11; Diagonal 3 (100 place), before carrying: 0; Product after carrying: 114

4 **Answer: 328**

Diagonal 1 (1 place), before carrying: 8; Diagonal 2 (10 place), before carrying: 2; Diagonal 3 (100 place), before carrying: 3; Product after carrying: 328

5 **Answer: 220**

Diagonal 1 (1 place), before carrying: 0; Diagonal 2 (10 place), before carrying: 2; Diagonal 3 (100 place), before carrying: 2; Product after carrying: 220

6 **Answer: 94**

Diagonal 1 (1 place), before carrying: 4; Diagonal 2 (10 place), before carrying: 9; Diagonal 3 (100 place), before carrying: 0; Product after carrying: 94

7 **Answer: 350**

Diagonal 1 (1 place), before carrying: 0; Diagonal 2 (10 place), before carrying: 5; Diagonal 3 (100 place), before carrying: 3; Product after carrying: 350

8 **Answer: 212**

Diagonal 1 (1 place), before carrying: 2; Diagonal 2 (10 place), before carrying: 1; Diagonal 3 (100 place), before carrying: 2; Product after carrying: 212

9 **Answer: 3348**

Diagonal 1 (1 place), before carrying: 8; Diagonal 2 (10 place), before carrying: 4; Diagonal 3 (100 place), before carrying: 13; Diagonal 4 (1000 place), before carrying: 2; Product after carrying: 3348

10 **Answer: 2862**

Diagonal 1 (1 place), before carrying: 2; Diagonal 2 (10 place), before carrying: 6; Diagonal 3 (100 place), before carrying: 8; Diagonal 4 (1000 place), before carrying: 2; Product after carrying: 2862

11 **Answer: 546**

Diagonal 1 (1 place), before carrying: 6; Diagonal 2 (10 place), before carrying: 4; Diagonal 3 (100 place), before carrying: 5; Diagonal 4 (1000 place), before carrying: 0; Product after carrying: 546

12 **Answer: 2296**

Diagonal 1 (1 place), before carrying: 6; Diagonal 2 (10 place), before carrying: 9; Diagonal 3 (100 place), before carrying: 12; Diagonal 4 (1000 place), before carrying: 1; Product after carrying: 2296

Practise interactively and explore the method:

https://goofergames.com/math/world/napier-bones

Free for educational use: teachers may print and share the worksheets with their students.