



Napier's bones

PRACTICE WORKSHEET

12 exercises | A4 | 1 / 2

Name: _____ Date: _____

Show your working in the blank space or on separate paper. Sketch labelled rods/beads when asked to represent a number.

1 Calculate 467×8 .

2 Calculate 35×6 .

3 Calculate 38×3 .

4 Calculate 41×8 .

5 Calculate 44×5 .

6 Calculate 47×2 .

7 Calculate 50×7 .

8 Calculate 53×4 .

9 Calculate 372×9 .

10 Calculate 477×6 .

11 Calculate 182×3 .

12 Calculate 287×8 .

Practise interactively and explore the method:

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



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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: 0; 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

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