

The Abacus Club

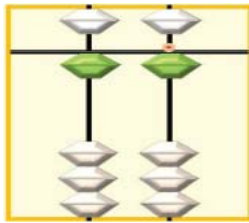
PUFFIN
SERIES

BOOK 2

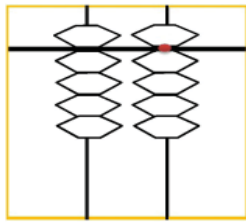


What are the missing beads?

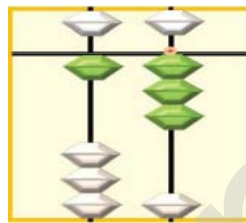
Can you write the correct number sequence and colour the correct number of beads?



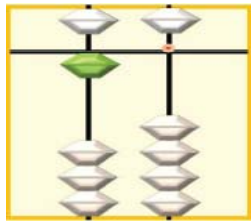
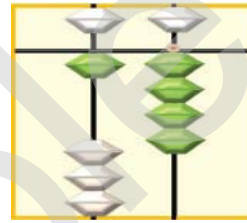
11



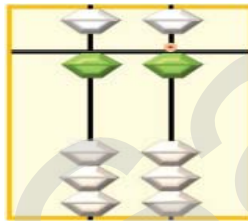
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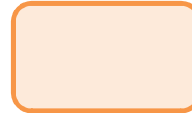
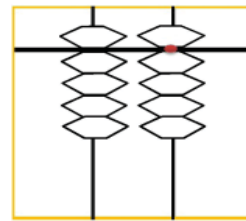
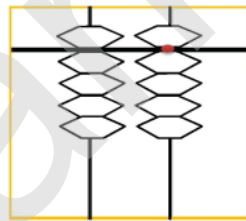
13



10







11



Help feed the birds!

Can you help feed the birds? Draw the correct amount of food so that each bird will get one.



2

+

=

5



Flamingos love pink shrimps. This is why they have got pink feathers.

+

=



Puffins love eating all sort of fish including herring.

+

=

Parrots like eating fruits, seeds, and sometimes even insects!

+

=

Owls hunt in the night and eat all sort of animals including mice.

Link the numbers

Draw a line to link the numbers in the correct sequence. Start from number 1.

1 — 2 — 3 4 5

6 11 12 13 14

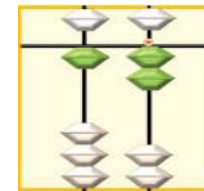
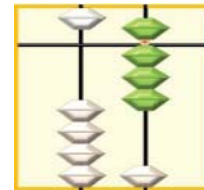
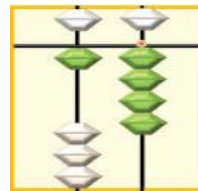
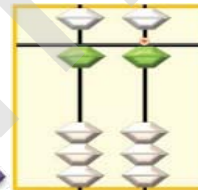
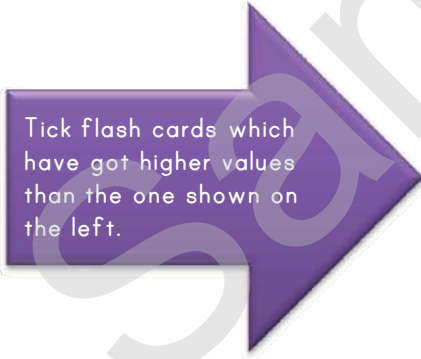
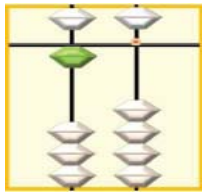
7 10 19 20 15

8 9 18 17 16

Can you add up the numbers using your soroban?

1	2	3	4	5
7	13	7	13	14
-6	-10	-5	-3	-4
10	5	12	4	2

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



Counting 15 to 19

Each of the boxes has got 10 stars.

A diagram illustrating the addition of 5 to 10. On the left, there are two boxes of 10 yellow stars each. Below them are 5 more yellow stars. Arrows point from these stars to a soroban. The soroban has one green bead on the upper deck of the left rod and five green beads on the lower deck of the right rod. Below the soroban is a box containing the equation $10 + 5 \rightarrow 15$.

A diagram illustrating the addition of 7 to 10. On the left, there are two boxes of 10 yellow stars each. Below them are 7 more yellow stars. Arrows point from these stars to a soroban. The soroban has one green bead on the upper deck of the left rod and seven green beads on the lower deck of the right rod. Below the soroban is a box containing the equation $10 + 7 \rightarrow 17$.

A diagram illustrating the addition of 6 to 10. On the left, there are two boxes of 10 yellow stars each. Below them are 6 more yellow stars. Arrows point from these stars to a soroban. The soroban has one green bead on the upper deck of the left rod and six green beads on the lower deck of the right rod. Below the soroban is a box containing the number 16.

A diagram illustrating the addition of 8 to 10. On the left, there are two boxes of 10 yellow stars each. Below them are 8 more yellow stars. Arrows point from these stars to a soroban. The soroban has one green bead on the upper deck of the left rod and eight green beads on the lower deck of the right rod. Below the soroban is a box containing the number 18.

- Soroban practice:**
1. Add and take away 1 to 19 at each step.
 2. Add 1 at each step up to 19. Remember to use both fingers when adding from 4 to 5.
- Fingering:** When adding 1 to 9, clear 9 before adding the 'tens' bead.

What is the value of the flash cards?

Write down the value of the beads on each rod in the flash cards and the total values in the orange boxes.

The image displays six abacus flash cards arranged in two rows of three. Each card features an abacus with two vertical rods. The top rod has five green beads, and the bottom rod has five white beads. Below each abacus is a two-digit orange box for recording the total value. Red arrows point from the beads to the corresponding digits in the box.

- Card 1 (top-left):** Top rod has 10 beads, bottom rod has 6 beads. Orange box contains "16".
- Card 2 (top-middle):** Top rod has 5 beads, bottom rod has 5 beads. Orange box is empty.
- Card 3 (top-right):** Top rod has 5 beads, bottom rod has 1 bead. Orange box is empty.
- Card 4 (bottom-left):** Top rod has 5 beads, bottom rod has 5 beads. Orange box is empty.
- Card 5 (bottom-middle):** Top rod has 5 beads, bottom rod has 5 beads. Orange box is empty.
- Card 6 (bottom-right):** Top rod has 5 beads, bottom rod has 1 bead. Orange box is empty.

What number comes **two places after** this?

Use your soroban to add two 'ones' beads to the flash cards on the left.

The image displays a sequence of soroban diagrams illustrating the addition of two 'ones' beads to various numbers. The diagrams are arranged in a 3x4 grid. Each diagram shows a soroban with a horizontal beam. The left column shows the starting number, the second column shows the addition of one bead, and the third column shows the addition of a second bead. The fourth column shows the final result. The numbers shown are 1, 2, 3, 4, 5, 6, 7, 8, and 9. The final results are 3, 4, 5, 6, 7, 8, 9, 10, and 11 respectively.