

B O O K

B I N D I N G

D E M O N -

S T R A T I O N S

01

Parts of a Book

Folding Down –

How Paper Becomes a Book

02

One-Page Fold

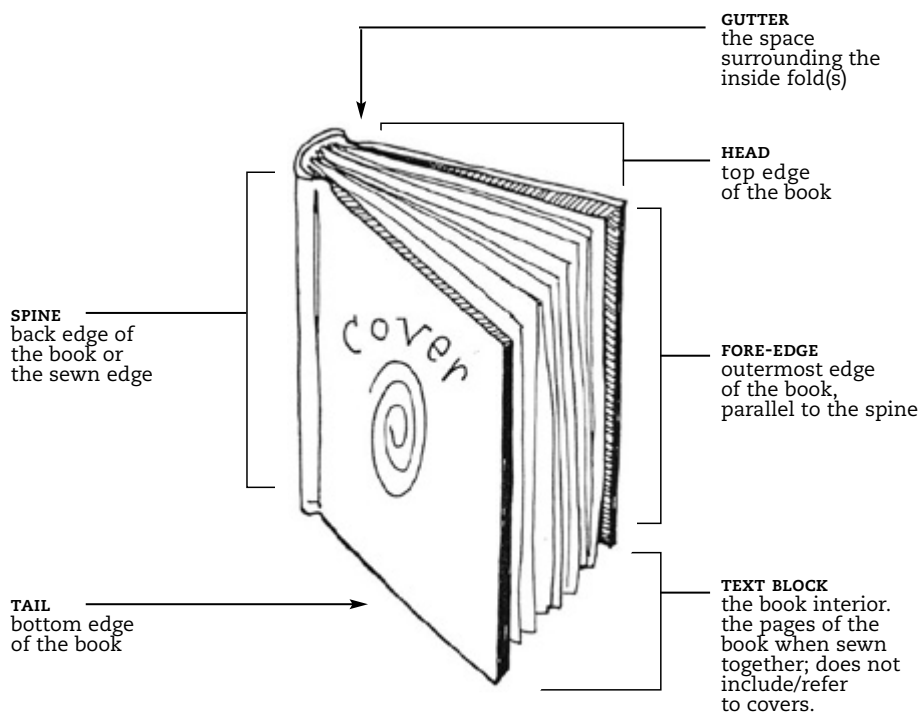
Accordion

Pamphlet

Stab (Japanese)

Coptic

Book Body Parts



Folding Down— How Paper Becomes a Book

GRAIN

The direction in which paper fibers line up. The fold is easier/natural along the grain.

FOLIO

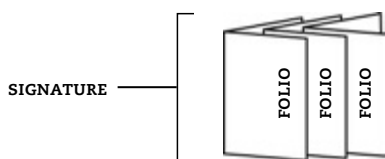
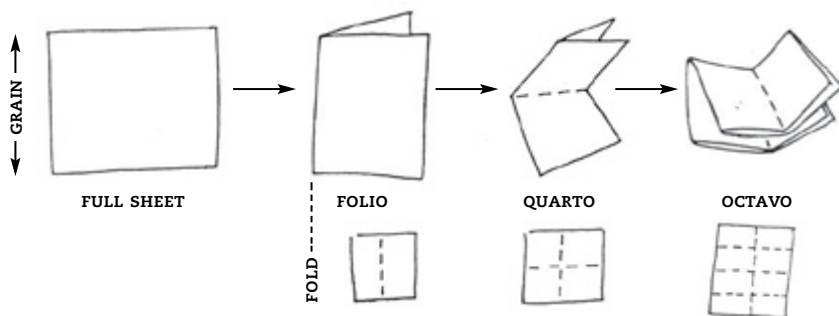
1 sheet folded 1 time to create 2 sections or 4 pages

QUARTO

1 sheet folded 2 times to create 4 sections and when folds are cut creates 8 pages

OCTAVO

1 sheet folded 3 times to create 8 sections and when folds are cut creates 16 pages

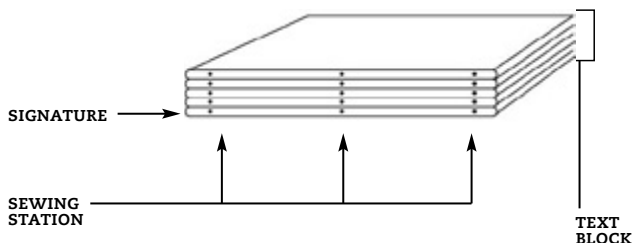


SEWING STATION

Holes that you sew through when binding a multiple section/ signature book

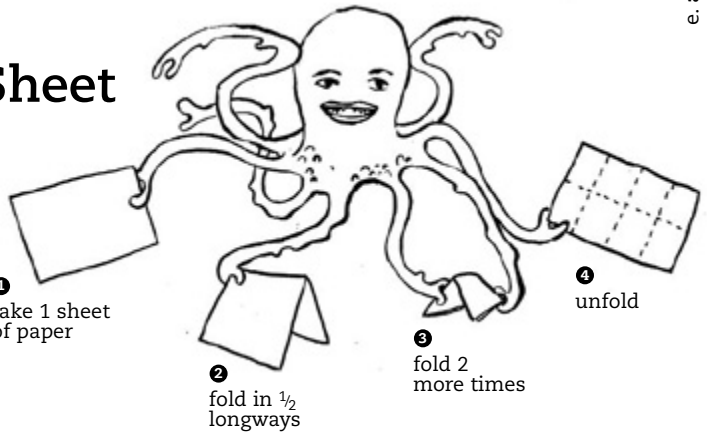
SECTION OR SIGNATURE

2 or more folios placed one inside of the other

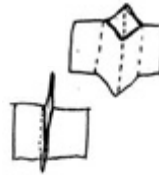
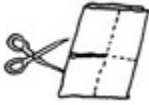
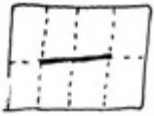




The One-Sheet Variations



main variation



1 fold in $\frac{1}{2}$ again & cut on folded end as shown

2 unfold & then refold in $\frac{1}{2}$ the other way

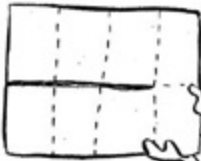
3 pinch from middle

4 fold

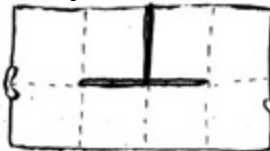


other ways to cut

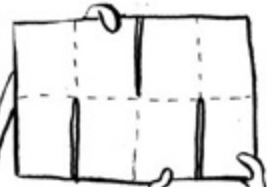
a "portrait" book



a "portrait" book, too!



a "landscape" book

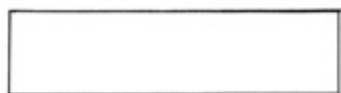


TRY THEM ALL!



Accordion Book

fold accordion units (at least 2)



❶ take each sheet of paper

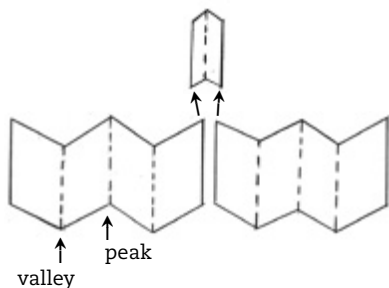


❷ fold in $\frac{1}{2}$



❸ fold edges back toward center

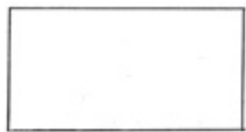
connect accordion units



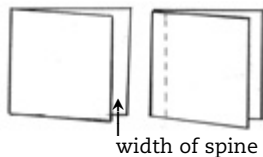
❶ fold hinge in $\frac{1}{2}$

❷ glue sections onto hinge

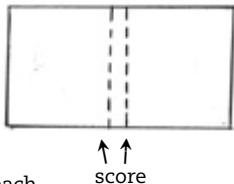
cover



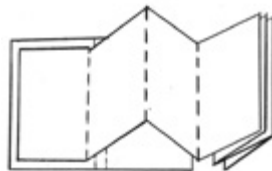
❶ cut a strong piece of card to slightly larger than the book's dimensions, *plus spine* (the thicker the book contents, the wider the spine)



❷ score spine by folding each edge toward the other, *minus width of spine*



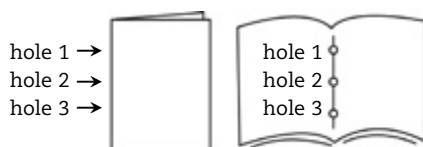
score



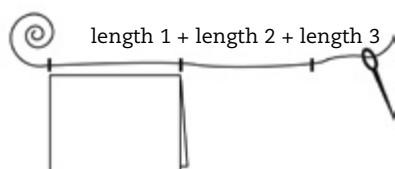
❸ glue outside page(s) of the books to inside cover(s)

Pamphlet Stitch

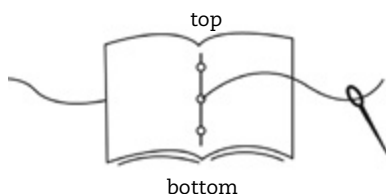
start with 2 or more folios
gathered into 1 signature.



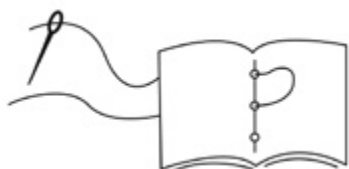
- ❶ punch 3 holes along the spine of your book. you can use a safety pin, a needle or an awl to punch the holes (see page 6).



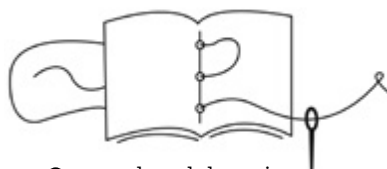
- ❷ cut a piece of string 3 times the length of your book



- ❸ open the book and thread the string through the center



- ❹ thread the string through the top hole



- ❺ next, thread the string through the bottom hole, skipping the center hole.



- ❻ thread the string back through the center hole and tighten up that stitch.



- ❼ tie the string around the string running along the spine, and cut off the excess.

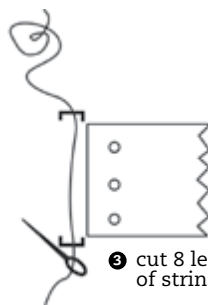
Stab Binding



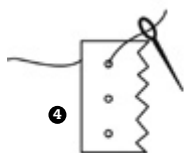
1 stack sheets and mark a straight line



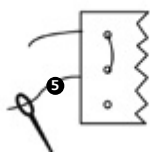
2 use hammer and nail to punch 3 holes



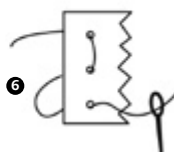
3 cut 8 lengths of string



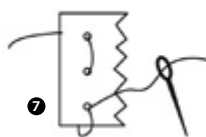
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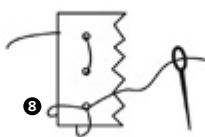
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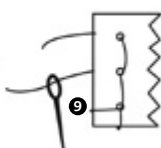
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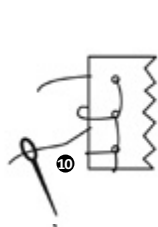
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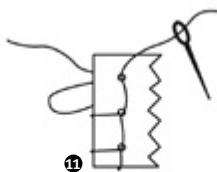
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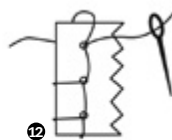
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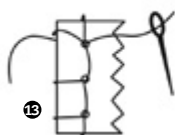
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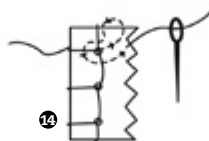
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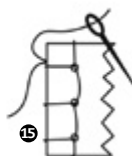
12



13



14



15

14 run needle underneath all 3 strings and tighten

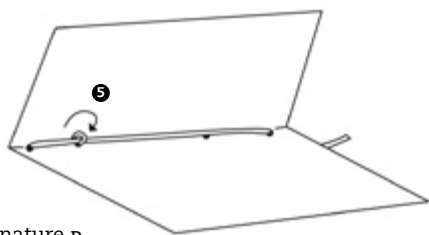
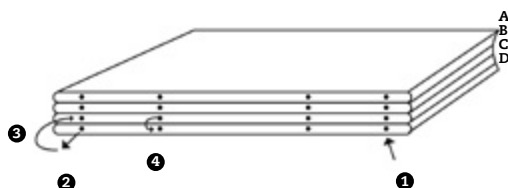
15 tie the 2 tails in a knot

Coptic Stitch

NOTES

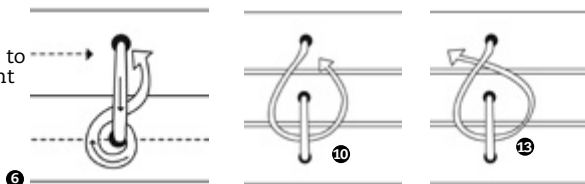
length of string = length of book spine x number of signatures + one book spine.

make sure to keep track of the tops and bottoms of the signatures so that you do not stitch them in upside down.



signature D

left to
right



- 1 start at the end sewing station of last signature D
- 2 exit top sewing station D
- 3 enter top sewing station of next signature C
- 4 exit second sewing station of signature C, and...
- 5 enter second sewing station of previous signature D. loop over existing thread and exit same sewing station.
- 6 loop thread (of spine) by sewing *under* existing thread between signatures (C+D) and *re-enter* second sewing station of signature C.
- 7 proceed to next sewing station and repeat steps 5 and 6.
- 8 exit bottom sewing station of signature C and tie a knot with the end string.
- 9 enter bottom sewing station of the next signature B
- 10 exit the next sewing station of signature B and...
- 11 loop thread by sewing *under* existing thread between signatures (C+D) and *re-enter* sewing station of signature B.
- 12 repeat steps 10 and 11.
- 13 exit top sewing station of signature B and...
- 14 loop thread by sewing *under* existing thread between signatures (C+D), and before pulling the stitch tight, pass the thread *underneath* itself.
- 15 enter top sewing station of the next signature A
- 16 repeat steps 10 through 14
- 17 continue to add signatures and when you are finished tie off with a knot