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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

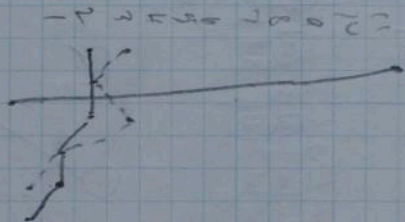
Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

~~1 2 3 4 5 6 7~~

~~1 2 3 4 5 6 7~~

Plant Life in Malaysia
R. E. Holttum 1954?

30
29
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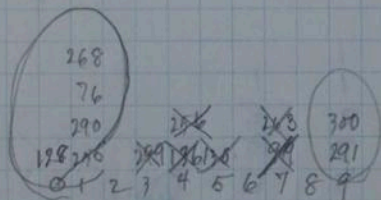
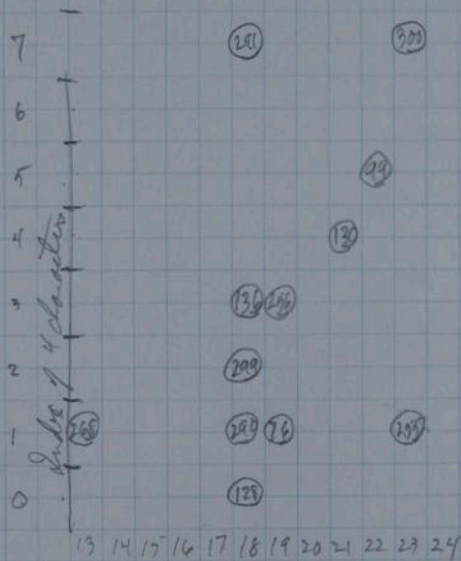
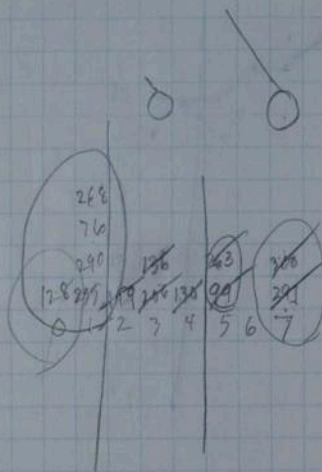
- w p w

-- n n n

4
1.1
1.2
2.0
2.9

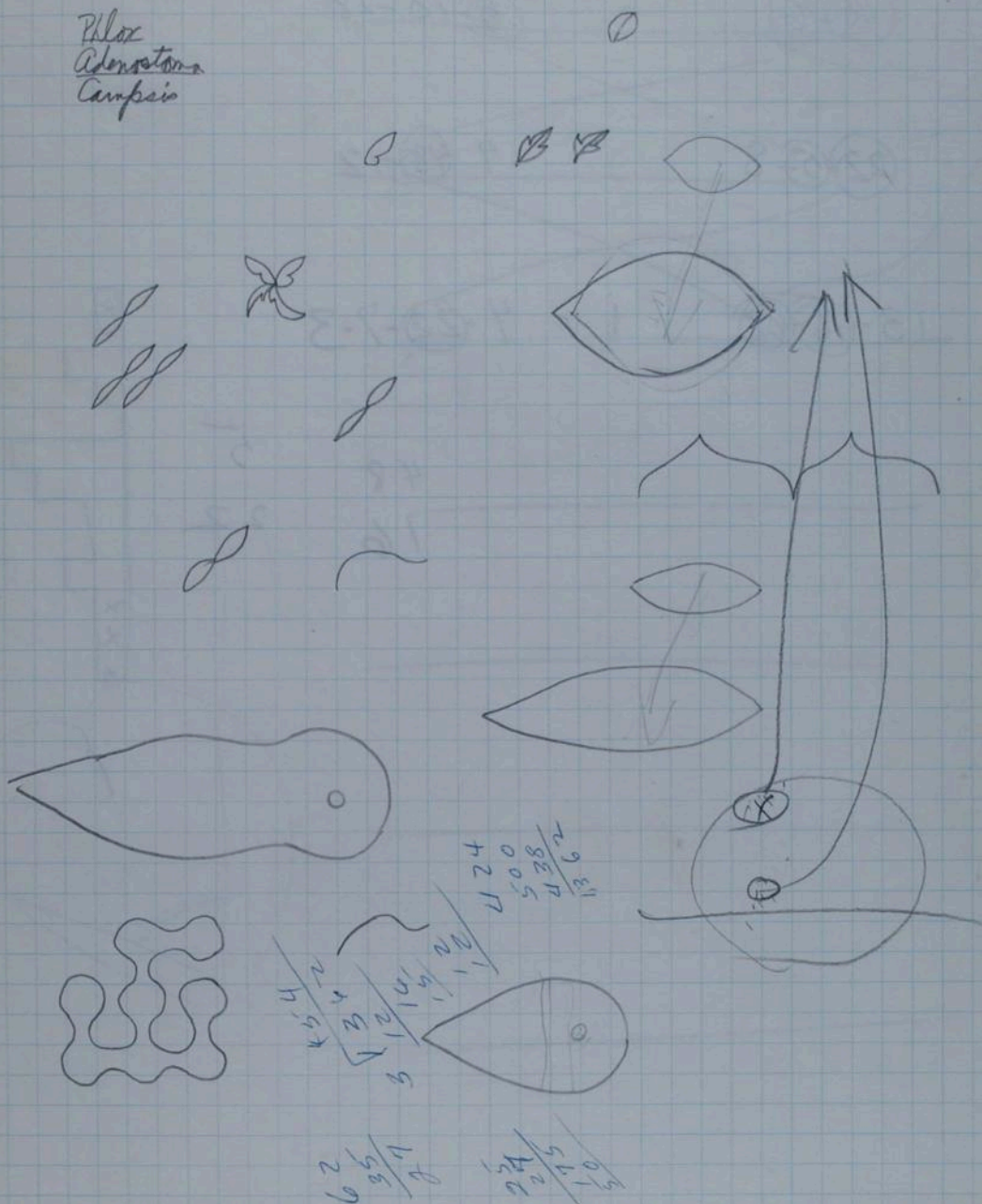
5.3
2.1
—
—
—

1.8
5.1
3.2



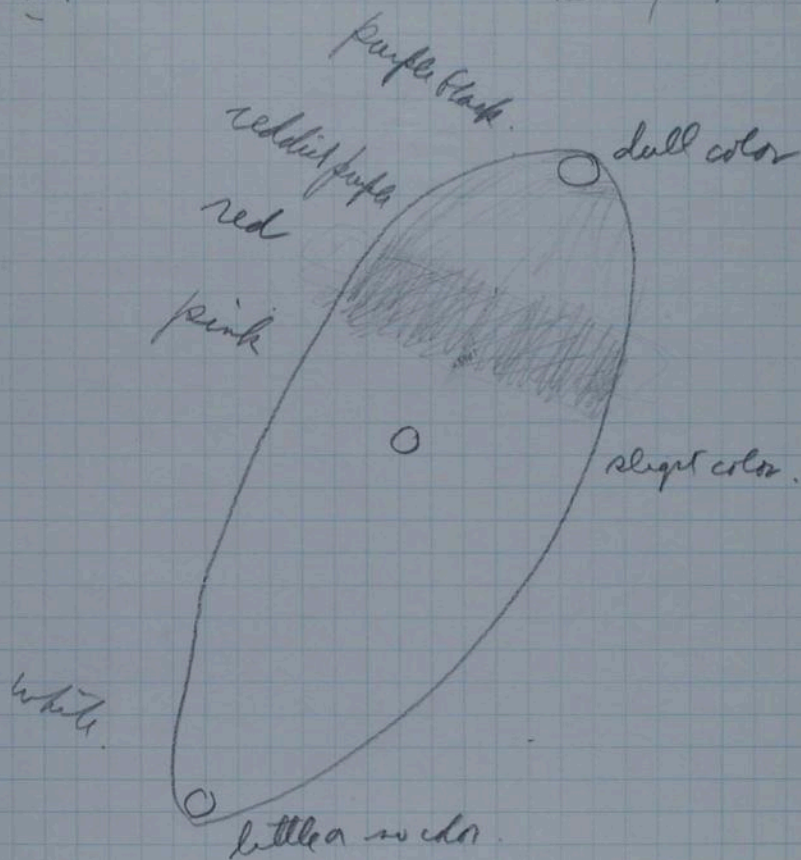
length length

Pilox
 Adenostoma
 Campsis



low + repeated branching
short lobes. (or few)
long-untapered roots
green buds.

high whips
long lobes. (+ many)
short stubby roots.
tendency to bud color.



Zimmer.

stamens per corolla

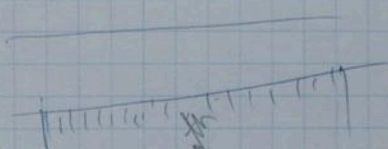
110 of hairs on one side of vein.

seed color

fruit color

hair on I, II, III, IV

fluke color

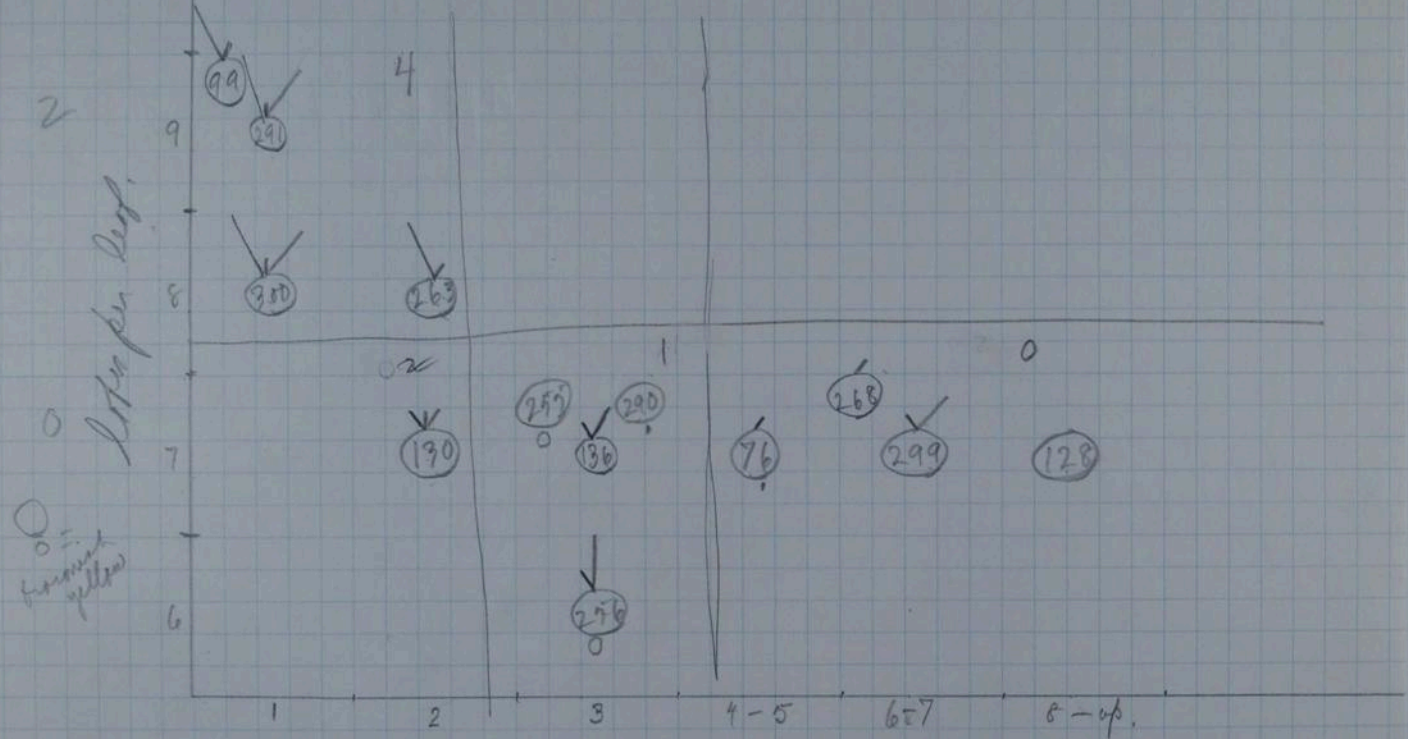


leaf length

Number	Stamens	Seed Color	Fruit Color	Hair	Fluke Color	Leaf Length	Other
291	120	br	gr	IV	w	18	I II III IV
99	139	gr	gr	IV	w	22	· · · ·
136	35	gr	gr	III	w	1	
300	18	br	gr	III	w	4	
263	216	gr	br	IV	w	8	
130	24	br	gr	III	w	X	
256	31	br	gr	III	br	X	
259	214	br	br	IV	br	23	
.....							
2996	11	Gr	Gr	II	w	X	
78	39			IV		X	
765	40	Gr	gr	IV	w	19	
12814	15	Gr	br	III	w	18	
2903	1	Gr	Gr	I	w	18	
2687	6	Gr	Gr	II	w	13	

check int. long
 1 2 3 4 | 5 6 7 8 9 | 10 11 12 13
 6 8 0

gn alp 0
 6 gn 0
 2K 0



0 =
 brownish
 yellow

0 short tapering root
 6 int

branches per case

76 - 7 <

n 78 - 6

S 128 04.06 <

n-268-4 <

n 290 - 7 <

S 299 - 6

n-255 - 7

n-236 - 1

n 263 - 6 <

S n 291 - 5 <

S 300 - 4 <

n-99 - 6

n-130 - 4

n 136 - 6 <

~~low to~~

low to.

long roots.

short lfts.

no cils in bud

long whips.

short thick roots

long leaflets.

± cils in bud.

346

2	2	24
3	1	11
2	3	21
0	0	9

~~below~~

Ranking more rigor
1 2 3 4
① ∅ ∅ ∅ ∅

from

② ∅ ∅ ∅ ∅
③ ∅ ∅ ∅ ∅

yellow

④ ∅ ∅ ∅ ∅

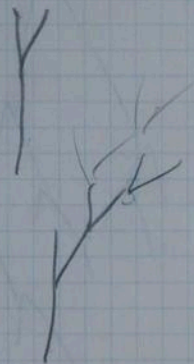
0+3

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

0 1 2 3 4 5 6 7 8 9 10 11 12

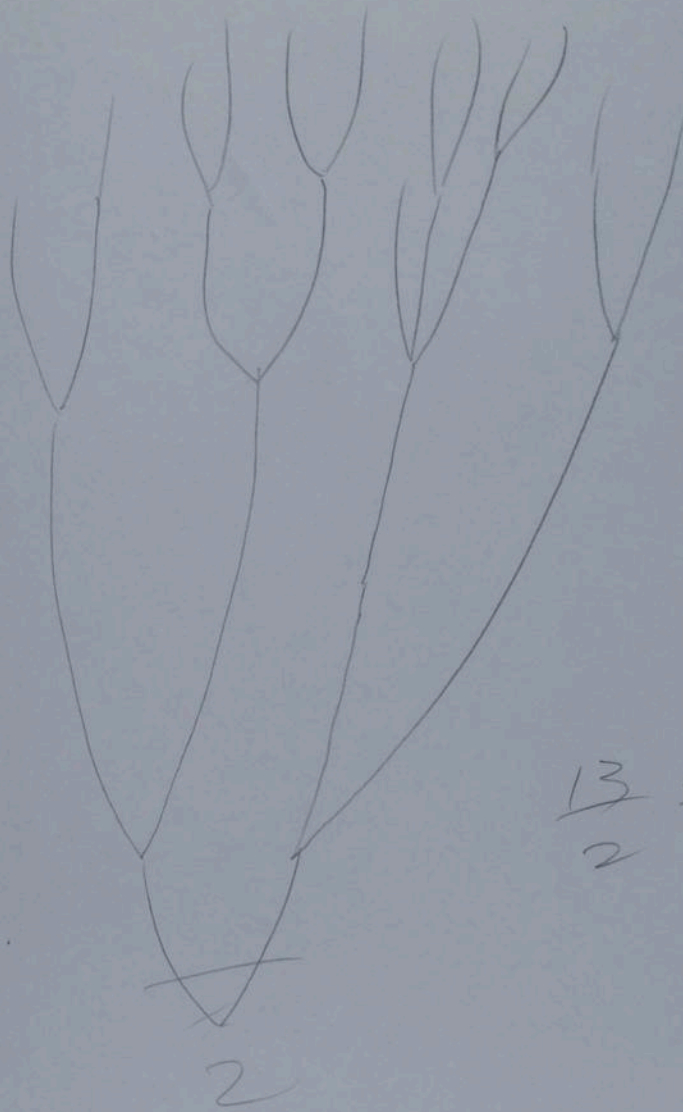
all 6 and above.

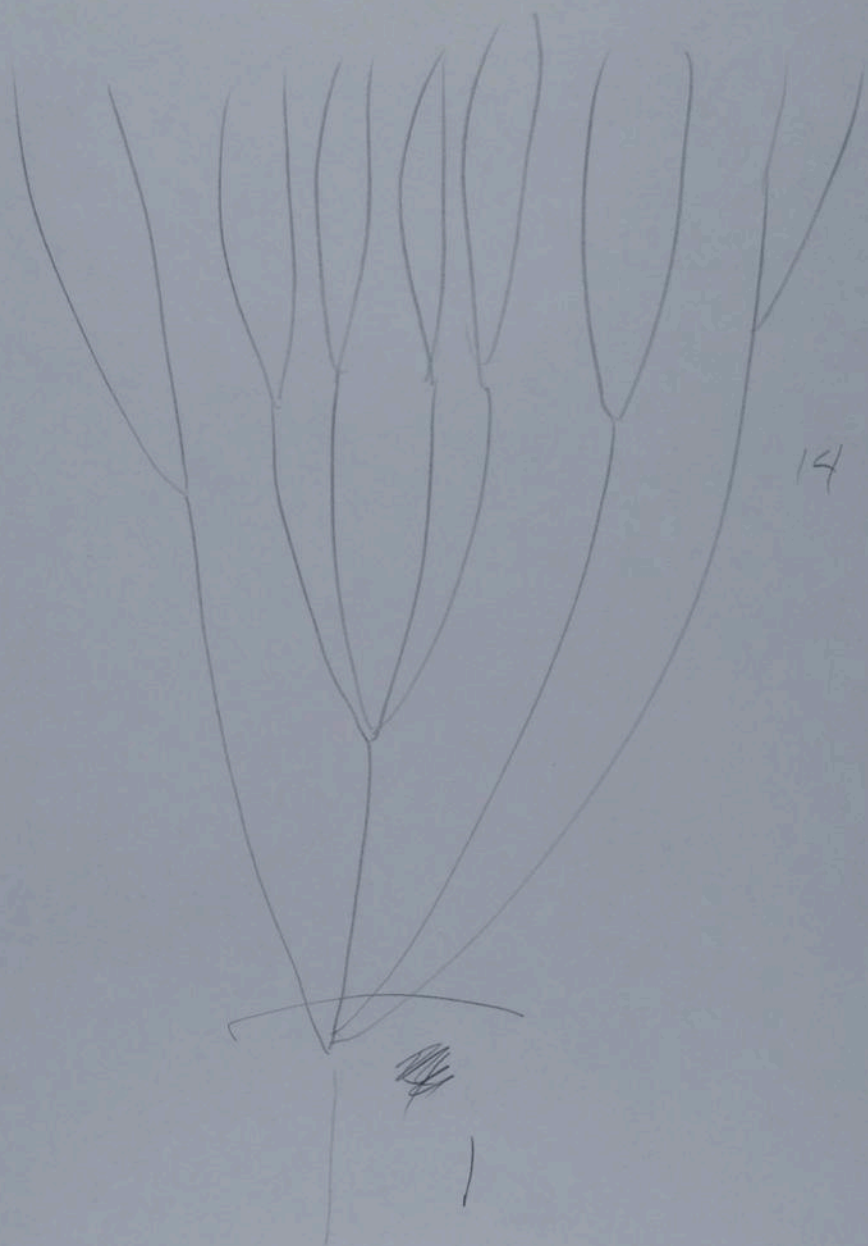
The darker the stem color the less tendency for higher order branching









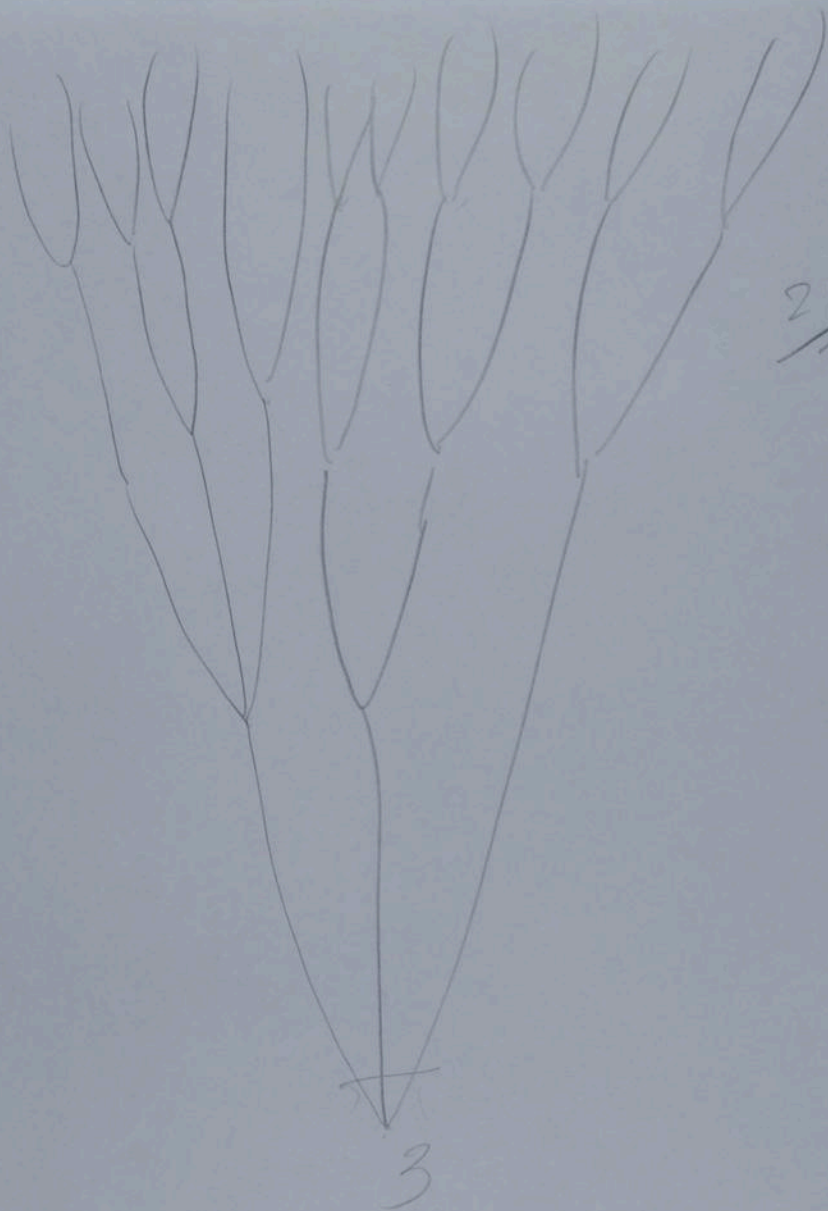


14



10/5

2



$\frac{20}{3} = 7$