

A SIMPLE, ACCURATE METHOD OF COPY-FITTING

TRADE **LINOTYPE** MARK

MOST METHODS of copy-fitting rely on an average number of words to the square inch, but variations in the character of copy and in the set width of different faces combine to make any such method inaccurate and deceptive. The most accurate system is one based on character count. With the help of convenient tables on following pages, this method will be found both easy and rapid.

NUMBER OF MANUSCRIPT CHARACTERS—Typewriters are so designed that each character receives the same space horizontally. Multiply the average number of the characters per line by the number of lines.

EXAMPLE: A manuscript has an average of 64 characters to the line, 25 lines to the page, 10 pages: $64 \times 25 = 1600 \times 10 = 16,000$ characters.

The short lines at the end of paragraphs can be counted as full lines because there will be similar short lines when it is set in type. **EXCEPTION:** If there is a large difference between the width of manuscript and width of type, say the manuscript averages 70 characters to the line and the type 30, this will not average out and some allowance should be made.

TO FIND NUMBER OF LINES OF TYPE—Select your type-face, size and length of line. Find its alphabet length and then refer to the Characters By Picas table on the following pages for the average number of characters to the line. Spaces between words and punctuation points count as characters. Divide this into number of characters in manuscript.

EXAMPLE: We will set the manuscript of the previous example in 10 point Garamond with Italic, 18 picas wide. Referring to the tables

we see that this will average fifty characters to the line. $16,000 \div 50 = 320$ lines.

IF MATTER IS LEADED—Leading does not affect the number of lines but it does affect the depth in picas. Be sure to use *body size* instead of *face size*.

EXAMPLE: If manuscript is to be set in 10 point 2 point leaded it is on 12 point body.

SPACING—The tables are all based on close spacing, which is always to be recommended not only for economy of space but for appearance. Caution the operator to fill his lines and to use extra thin spacebands for small sizes.

LENGTH OF LINE—The ideal length of line is about 40 characters in any size. Lines of less than 30 or more than 50 characters should be avoided.

EXAMPLE: The ideal measure for 10 point Garamond Bold would be 16 picas. It should seldom be set narrower than 12 picas nor wider than 20 picas.

TYPING TO FIT—If type-face, size and measure are determined in advance, the copy can be sent to the printer typed with the proper number of characters to the line so that the proof will run practically line for line with it.

EXAMPLE: Type is to be set in 12 point Bodoni 20 picas wide. Typist should set typewriter for 47 character average line.

Lower Case **ALPHABET LENGTHS**

To DETERMINE the character count of the Linotype faces listed below (or any other face), find the alphabet length in points of the size you are interested in. Then refer to the *Characters By Picas* tabulation on following pages, where characters for measures from 1 to 42 are listed according to different alphabet lengths.

For computing faces not listed, you need only know the alphabet length of the point size desired. Then, by consulting the *Characters By Picas* table on the following pages and taking the nearest alphabet length listed (the next longest if the exact length is not listed) you will have the figures for the measure-lengths needed.

FACE	5	5½	6	6½	7	7½	8	9	10	11	12	14	18	24	30	36
Antique No. 1 w. Italic			97				122	132	141		165	190				
Antique No. 1													229	305		
Antique No. 1 Italic													229			
*Baskerville w. Italic & S. C.					95		106	116	129	139	149	170				
Bell Gothic			75		88		98									
Benedictine w. Italic & S. C.			84		95		109	120	135	148	161	184	223			
Benedictine													224	296	349	417
Benedictine Italic													223	293	362	
Benedictine Book w. Italic & S. C.			84		95		109	120	135	148	161	184				
Benedictine Book													224	296	349	417
Benedictine Book Italic													223	293	362	
Benedictine Book w. Benedictine			84		95		109	120	135	148	161	184				
Benedictine Bold w. Italic							117		147		177	206				
Benedictine Bold													246	325	389	468
Benedictine Bold Italic													251	329	404	
Bodoni w. Italic & S. C.			82		96		109		132		145	163	208	272		
*Bodoni													208	267	317	385
Bodoni Italic													207	267	328	
Bodoni Condensed														233	288	
Bodoni Bold w. Italic			92		102		118		140		158	175	227	278		
*Bodoni Bold													223	282	318	403
*Bodoni Bold Italic													224	276	353	
*Bodoni Bold Condensed													178	226	274	321
Bodoni Book w. Italic & S. C.			81		92		103	114	122		137	152	191			
Bodoni Book													187	233	298	
Bodoni Book Italic													190	245	296	
Bookman w. Italic & S. C.			93		101		110	119	132	144	156	186				
Caslon w. Italic & S. C.					94		108	114	121	141	157	181	225			
Caslon														237	309	411
Caslon Italic																
Caslon Bold w. Italic		90	100													
Caslon Bold Condensed												169	203	250	306	390
Caslon No. 2 w. Italic & S. C.				83			102		127	139	151					
Caslon No. 3 w. Italic & S. C.		76	89		99		108	124	139		165	193	270	349		
Caslon No. 3													269	347	421	
Caslon No. 3 Italic													271	350	411	
Caslon No. 137 w. Italic & S. C.					90		103	116	129	141	155					
*Caslon Old Face w. Italic & S. C.			77				93	106	111	122	141	159				
*Caslon Old Face													185	262	332	428
*Caslon Old Face Italic													175	235		
Century Bold w. Italic							116		145		168	200	228	305		
Century Bold													222	305	366	423
Century Bold Italic													252	305	381	466
Century Bold Condensed													176	223		
*Century Expanded w. Italic & S. C.			95		107		119	128	142	149	162	194	228			
Century Expanded													229	300		
*Century Expanded w. Century Bold			95		110		119	133	142	152	164	194	227			

ALPHABET LENGTHS, continued

FACE	5	5½	6	6½	7	7½	8	9	10	11	12	14	18	24	30	36
Century Exp. w. Century Bold Italic									147		170	202				
Century Exp. w. Cheltenham Bold			99				121		150		164	197				
Cheltenham w. Italic & S. C.							95	107	115	126	135	159	197	246		
*Cheltenham														240	288	345
*Cheltenham Italic														249	300	
Cheltenham Bold w. Italic			100				120		150	151	164	197	231	299		
Cheltenham Bold													229	297	316	430
Cheltenham Bold No. 2															357	
Cheltenham Bold Italic													244	299	378	
Cheltenham Bold Cond. w. Italic			77				95		177		133	156	195	236		
Cheltenham Bold Condensed													189	235	285	348
Cheltenham Bold Condensed Italic													195	253	302	
Cheltenham Bold Extra Condensed													154	192	226	232
Cheltenham Bold Extra Cond. Italic														229		
Cheltenham Condensed													172	219	264	
Chelt. Cond. w. Chelt Bold Cond.							95		117		133	156				
Cheltenham Extra Cond. Italic													173	227	283	
Cheltenham Medium Condensed													176	229	272	
Cheltenham Wide w. Chelt. Bold			101				115		135		153	189				
Cloister w. Italic & S. C.			80				96		110	116	124	139	178			
Cloister													177	233	281	335
Cloister Italic													165	218	257	
Cloister Bold w. Italic			90				109		126		138	157	201	256		
Cloister Bold													198	255	313	379
Cloister Bold Italic													190	243	301	349
Cloister Wide w. Bold			90				109		126		138	157				
DeVenne w. Italic & S. C.			93				109	117	131	149	163	189				
DeVenne w. Antique No. 3			98				115	120	136	150	165	192				
Electra w. Italic & S. C.					93		104	117	125	135	142	160				
Elzevir No. 3 w. Italic & S. C.			86				111	120	128	140	153	176				
Elzevir No. 3													222	296		
*Erbar Bold Condensed													162	202		
*Erbar Light Condensed													153	189		
Erbar Light Cond. w. Erbar B. Cond.							82		96		104	123	162	200		
*Erbar Medium Condensed													156	192		
Erbar Med. Cond. w. Erbar Lt. Cond.													154	191		
Estienne w. Italic & S. C.							99		113		126	143				
*Estienne													168			
*Excelsior w. Bold Face No. 2	95	100	107			123		133	142	151	158	171				
No. 1 Excelsior w. B. F. No. 2					118		126									
No. 2 Excelsior w. B. F. No. 2					115		123									
Excelsior w. Italic & S. C.	100	107			123		133	142	151		171					
No. 1 Excelsior w. Italic & S. C.					118		126									
No. 2 Excelsior w. Italic & S. C.					115		123									
Excelsior w. Gothic No. 3	95	100	103													
No. 1 Excelsior w. Gothic No. 3					118											
No. 2 Excelsior w. Gothic No. 3					115		123									
Excelsior w. Memphis Bold		107			118	123	126	133	143		158	171				
Franklin Gothic													277	340		
Garamond w. Italic & S. C.			80				97	109	121	135	149	166				
Garamond													194	284	322	424
Garamond Italic													195	282	320	
Garamond Bold w. Italic			89				108		135		169	187	220	311		

FACE 5 5½ 6 6½ 7 7½ 8 9 10 11 12 14 18 24 30 36

ALPHABET LENGTHS, continued

FACE	5	5½	6	6½	7	7½	8	9	10	11	12	14	18	24	30	36
Garamond Bold													219	313	355	470
Garamond Bold Italic													219	312	358	...
Garamond No. 3 w. Italic & S. C.			87		95		103	111	118	125	133	150	198	...	...	...
Garamond Bold No. 3 w. Italic			94		104		113	123	130	140	148	167	216	279	...	...
Garamond Bold No. 3													214	278	341	...
Garamond Bold No. 3 Italic													212	...	...	...
Gothic No. 13												161	180	224	235	316
Gothic No. 13 w. Chelt. Bold Cond.							102	...	117	...	139	161	189	233	...	...
Gothic No. 13 w. DeVenne Cond.							102	...	115	...	140	162	...	...	...	...
Gothic No. 14												124	...	...	...	...
Gothic No. 16									163	...	180	216	234	303	373	424
Gothic No. 16 w. Cheltenham Bold							133	...	161	...	174	209	231	300	...	...
Gothic No. 16 w. Title No. 4							136	...	163	...	180	216	...	...	...	...
Gothic No. 18												127	157	175	216	...
Gothic No. 38									152	...	175	222	262	323	...	...
Gothic Condensed No. 1							99	...	122	135	149	166	169	...	...	...
Gothic Condensed No. 2			73	...	...	...	77	...	87	...	96	118	140	169	208	228
Gothic Condensed No. 3															205	...
Granjon w. Italic & S. C.			81	...	...	...	98	108	117	126	137	153	...	...	...	...
*Granjon													180	262	...	...
Granjon Italic													177	...	...	...
Granjon w. Bold			81	...	...	...	98	...	117	126	137	153	...	...	...	...
*Ionic No. 5 w. Bold Face No. 2	84	94	104	110	114	121	127	139	146	...	163	...	...	...	...	...
*Ionic No. 5 w. Italic & S. C.	84	94	104	110	114	121	127	139	146	...	163	...	...	...	...	...
Ionic No. 5 w. Gothic No. 16		94	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Janson w. Italic & S. C.							111	...	131	139	148	165	...	...	...	...
Memphis Bold w. Italic			97	...	...	...	105	121	135	...	167	197	231	...	...	...
Memphis Bold													230	318	382	473
Memphis Bold Cond.													180	...	280	325
Memphis Bold Cond. w. Med. Cond.													180	236	...	...
Memphis Extra Bold w. Italic							141	...	165	...	201	230	269	...	...	...
Memphis Extra Bold													264	368	415	...
Memphis Extra Bold Cond.													...	...	281	325
Memphis Ex. Bd. Cd. w. Med. Cd.													180	236	...	...
Memphis Light w. Italic & S. C.			97	...	...	...	104	...	134	...	166	195	...	...	...	...
Memphis Light													226	308	360	453
Memphis Light w. Bold			97	...	...	...	104	120	133	...	166	195	232	316	...	...
Memphis Medium w. Italic			97	...	...	...	105	121	135	...	167	197	231	...	...	...
Memphis Medium													230	320	380	473
Memphis Medium Italic													231	...	...	...
Memphis Medium w. Bold			97	...	...	...	104	...	134	...	167	197	230	318	...	...
Memphis Medium Cond.													...	...	277	324
Metrolite No. 2 w. Italic			95	...	...	...	110	...	137	...	164	191	236	311	...	...
Metrolite No. 2									136	...	...	...	236	316	395	471
Metrolite No. 2 w. Metrolite No. 2			95	...	...	...	108	...	136	...	163	190	236	302	...	...
Metrolite No. 2 w. Italic			94	...	...	...	108	...	135	...	160	187	232	303	...	...
Metrolite No. 2													233	316	390	466
Metrolite No. 2 w. Metrolite No. 2			94	...	...	...	108	...	137	...	163	190	236	...	...	...
Metromedium No. 2 w. Italic			86	...	...	...	97	...	122	...	146	169	209	375	...	...
Metromedium No. 2													215	278	349	416
Metromedium No. 2 Italic													209	275	...	...
Metromed. No. 2 w. Metrothin No. 2			86	...	...	...	96	...	120	...	145	168	215	272	...	...
Metrothin No. 2													215	270	339	405
*Narciss									141	...	170	184	211	305	353	417
FACE	5	5½	6	6½	7	7½	8	9	10	11	12	14	18	24	30	36

ALPHABET LENGTHS, continued

FACE	5	5½	6	6½	7	7½	8	9	10	11	12	14	18	24	30	36
No. 1, w. Italic & S. C.	89	101	107	116	127	134	144	162	...	...	...	...	...	...	...	...
No. 16, w. Italic & S. C.	105	117	128	139	149	175	204	...	...	...	...	...	...	...	...	...
No. 21, w. Italic & S. C.	90	106	110	116	130	142	155	...	...	...	...	...	...	...	...	...
Old Style No. 1 w. Italic & S. C.	83	91	101	109	118	127	135	150	178	...	...	...	...	...	...	...
Old Style No. 1	...	...	...	...	...	...	...	...	...	...	...	...	195	...	...	...
Old Style No. 1 w. Antique No. 1	...	92	101	116	126	137	146	161	185	...	...	...	...	...	...	...
Old Style No. 1 w. Cheltenham Bold	83	93	114	137	156	190	...	...	...	...	...	...	...	...	...	...
Old Style No. 1 w. Title No. 1	...	96	112	132	154	...	...	...	...	...	...	...	...	...	...	...
Old Style No. 1 w. Title No. 2	...	95	116	133	156	185	...	...	...	...	...	...	...	...	...	...
Old Style No. 3 w. Italic & S. C.	...	90	102	120	143	...	...	...	...	...	...	...	...	...	...	...
*Old Style No. 7 w. Italic & S. C.	...	85	95	104	112	122	135	146	171	...	...	...	...	...	...	...
Old Style No. 7	...	...	...	...	...	...	...	...	...	...	...	...	220	298	...	...
Opticon w. Bold Face No. 2	102	109	119	125	130	134	144	153	160	...	...	...	...	...	...	...
Opticon w. Italic & S. C.	...	109	120	125	130	144	153	...	...	...	...	...	...	...	...	...
Original Old Style w. Italic & S. C.	...	89	110	124	144	172	...	...	...	...	...	...	...	...	...	...
Pabst Extra Bold w. Italic	...	...	...	...	...	...	...	170	203	234	301	...	...	...	...	...
Pabst Extra Bold	...	...	...	...	...	...	...	...	...	...	...	...	296	393	...	...
*Pabst Extra Bold Condensed	...	...	...	...	...	...	...	...	...	...	...	...	220	287	329	392
Pabst Extra Bold Cond. w. Italic	...	...	...	...	...	...	...	144	172	201	224	293	...	...	...	...
Paragon w. Paragon Bold	101	108	120	124	129	136	145	...	...	...	...	...	...	...	...	...
Paragon w. Italic & S. C.	...	108	120	124	129	136	145	...	...	...	...	...	...	...	...	...
Poster Bodoni w. Italic	...	...	...	...	146	171	202	235	304	410	...	...	...	...	...	...
Poster Bodoni	...	...	...	...	...	...	...	...	...	...	...	...	300	409	502	612
Poster Bodoni Italic	...	...	...	...	...	...	...	...	...	...	...	...	301	...	...	...
*Scotch w. Italic & S. C.	...	97	110	125	134	155	186	...	...	...	...	...	...	...	...	...
Scotch	...	...	...	...	...	...	...	...	...	...	...	...	235	307	376	...
Scotch Italic	...	...	...	...	...	...	...	...	...	...	...	...	236	...	...	...
Scotch No. 2 w. Italic & S. C.	...	...	...	...	103	116	131	140	154	...	...	...	...	...	...	...
Textype w. Bold Face No. 2	...	102	110	115	125	136	153	167	...	...	...	...	...	...	...	...
Textype w. Italic & S. C.	...	102	110	115	125	136	153	167	216	...	...	...	...	...	...	...
Vulcan Bold w. Italic	...	...	...	...	...	...	...	164	181	210	...	...	...	...	...	...
*Vulcan Bold	...	...	...	...	...	...	...	...	...	...	...	...	272	361	...	...
Vulcan Bold Italic	...	...	...	...	...	...	...	...	...	...	...	...	272	361	...	...

ADDITIONAL POINT SIZES

(For faces indicated with * on preceding listings)

FACE	POINT SIZE	ALPHABET LENGTH	FACE	POINT SIZE	ALPHABET LENGTH
Baskerville	16	200	Erbar Light Condensed	28	209
Bodoni	16	182	Erbar Light Condensed	34	251
Bodoni	21	236	Erbar Medium Condensed	28	212
Bodoni Bold	21	251	Erbar Medium Condensed	34	257
Bodoni Bold	27	293	Estienne	16	157
Bodoni Bold Italic	21	251	Excelsior with Bold Face No. 2	7¾	125
Bodoni Bd. Cd. w. Bodoni Bd. It.	24-18	229	Granjon	21	196
Caslon O. F. w. Italic & S. C.	11½	133	Ionic No. 5 w. Bold Face No. 2	6¾	107
Caslon Old Face	21	229	Ionic No. 5 w. Italic & S. C.	6¾	107
Caslon Old Face Italic	21	213	Narciss	21	262
Century Expanded w. Italic	4	78	No. 6 with Gothic No. 16	4¾	76
Century Exp. w. Gothic No. 16	4	78	Old Style No. 7 w. Italic & S. C.	10½	129
Cheltenham	20	195	Pabst Ex. Bd. Cd. w. Gothic No. 16	18-14	224
Cheltenham Italic	20	195	Scotch No. 2 w. Italic & S. C.	11½	142
Erbar Bold Condensed	28	233	Vulcan Bold	21	313
Erbar Bold Condensed	34	283			

CHARACTERS BY PICAS

THE TABULATION below and opposite lists characters by picas up to 42-pica measure, for the various alphabet lengths. In those instances where the precise alphabet length is not given, use the nearest listed figure—always selecting the next longest length; i. e., for 109 use 110, for 234 use 241, for 288 use 295, etc. The slight differences between listed lengths will not disturb the accuracy of your computation for all practical purposes.

Setting Run-Arounds: Type to be set around cuts or in irregular shapes can be accurately charted by the character-count method of copy-fitting. All that is necessary to determine is the number of lines in each of the different measures, and then compute the total number of characters

in those lines. Comparison of this total with the total character-content of the copy tells the need of more or less copy.

If typewritten copy is to be computed, figure Elite characters as 12 to the inch and Pica characters as 10 to the inch. Multiply the number of characters in each line by the number of lines for the character total.

How many characters are there in measures less than ten picas wide, in the various faces? Two easy methods of determination: 1, Multiply the number of characters in one em by the measure-length you wish; 2, Take the figure remaining after subtracting a lower measure from a higher—for 8 picas wide, subtract 10 from 18; for six picas wide, subtract 10 from 16, etc.

Alphabet Length	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
73	4.35	44	52	61	70	78	87	96	104	113	122	131	139	148	157	165	174	183
75	4.25	43	51	60	68	77	85	94	102	111	119	128	136	145	153	162	170	179
76	4.20	42	50	59	67	76	84	92	101	109	118	126	134	143	151	160	168	176
77	4.15	42	50	58	66	75	83	91	100	108	116	125	133	141	149	158	166	174
79	4.05	41	49	57	65	73	81	89	97	105	113	122	130	138	146	154	162	170
80	4.	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168
81	3.95	40	47	55	63	71	79	87	95	103	111	119	126	134	142	150	158	166
82	3.9	39	47	55	62	70	78	86	94	101	109	117	125	133	140	148	156	164
83	3.85	39	46	54	62	69	77	85	92	100	108	116	123	131	139	146	154	162
84	3.8	38	46	53	61	68	76	84	91	99	106	114	122	129	137	144	152	160
86	3.75	38	45	53	60	68	75	83	90	98	105	113	120	128	135	143	150	158
87	3.7	37	44	52	59	67	74	81	89	96	104	112	118	126	133	141	148	155
88	3.65	37	44	51	58	66	73	80	88	95	102	110	117	124	131	139	146	153
90	3.6	36	43	50	58	65	72	79	86	94	101	108	115	122	130	137	144	151
91	3.55	36	43	50	57	64	71	78	85	92	99	107	114	121	128	135	142	149
93	3.5	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	147
94	3.45	35	41	48	55	62	69	76	83	90	97	104	110	117	124	131	138	145
96	3.4	34	41	48	54	61	68	75	82	88	95	102	109	116	122	129	136	143
98	3.35	34	40	47	54	60	67	74	80	87	94	101	107	114	121	127	134	141
100	3.3	33	40	46	53	59	66	73	79	86	92	99	106	112	119	125	132	139
102	3.25	33	39	46	52	59	65	72	78	85	91	98	104	111	117	124	130	137
104	3.2	32	38	45	51	58	64	70	77	83	90	96	102	109	115	122	128	134
106	3.15	32	38	44	50	57	63	69	76	82	88	95	101	107	113	120	126	132
108	3.1	31	37	43	50	56	62	68	74	81	87	93	99	105	112	118	124	130
110	3.05	31	37	43	49	55	61	67	73	79	85	92	98	104	110	116	122	128
112	3.	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126
114	2.95	30	35	41	47	53	59	65	71	77	83	89	94	100	106	112	118	124
116	2.9	29	35	41	46	52	58	64	70	75	81	87	93	99	104	110	116	122
118	2.85	29	34	40	46	51	57	63	68	74	80	86	91	97	103	108	114	120
120	2.8	28	34	39	45	50	56	62	67	73	78	84	90	95	101	106	112	118
Alphabet Length	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42

CHARACTERS BY PICAS, *continued*

Alphabet Length	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
122	2.75	28	33	39	44	50	55	61	66	72	77	83	88	94	99	105	110	116
124	2.7	27	32	38	43	49	54	59	65	70	76	81	86	92	97	103	108	113
127	2.65	27	32	37	42	48	53	58	64	69	74	80	85	90	95	101	106	111
129	2.6	26	31	36	42	47	52	57	62	68	73	78	83	88	94	99	104	109
132	2.55	26	31	36	41	46	51	56	61	66	71	77	82	87	92	97	102	107
135	2.5	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
138	2.45	25	29	34	39	44	49	54	59	64	69	74	78	83	88	93	98	103
142	2.4	24	29	34	38	43	48	53	58	62	67	72	77	82	86	91	96	101
146	2.35	24	28	33	38	42	47	52	56	61	66	71	75	80	85	89	94	99
150	2.3	23	28	32	37	41	46	51	55	60	64	69	74	78	83	87	92	97
154	2.25	23	27	32	36	41	45	50	54	59	63	68	72	77	81	86	90	95
158	2.2	22	26	31	35	40	44	48	53	57	62	66	70	75	79	84	88	92
162	2.15	22	26	30	34	39	43	47	52	56	60	65	69	73	77	82	86	90
166	2.1	21	25	29	34	38	42	46	50	55	59	63	67	71	76	80	84	88
170	2.05	21	25	29	33	37	41	45	49	53	57	62	66	70	74	78	82	86
175	2.	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
180	1.95	20	23	27	31	35	39	43	47	51	55	59	62	66	70	74	78	82
185	1.9	19	23	27	30	34	38	42	46	49	53	57	61	65	68	72	76	80
190	1.85	19	22	26	30	33	37	41	44	48	52	56	59	63	67	70	74	78
195	1.8	18	22	25	29	32	36	40	43	47	50	54	58	61	65	68	72	76
200	1.75	18	21	25	28	32	35	39	42	46	49	53	56	60	63	67	70	74
206	1.7	17	20	24	27	31	34	37	41	44	48	51	54	58	61	65	68	71
212	1.65	17	20	23	26	30	33	36	40	43	46	50	53	56	59	63	66	69
218	1.6	16	19	22	26	29	32	35	38	42	45	48	51	54	58	61	64	67
225	1.55	16	19	22	25	28	31	34	37	40	43	47	50	53	56	59	62	65
233	1.5	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63
241	1.45	15	17	20	23	26	29	32	35	38	41	44	46	49	52	55	58	61
250	1.4	14	17	20	22	25	28	31	34	36	39	42	45	48	50	53	56	59
260	1.35	14	16	19	22	24	27	30	32	35	38	41	43	46	49	51	54	57
270	1.3	13	16	18	21	23	26	29	31	34	36	39	42	44	47	49	52	55
280	1.25	13	15	18	20	23	25	28	30	33	35	38	40	43	45	48	50	53
295	1.2	12	14	17	19	22	24	26	29	31	34	36	38	41	43	46	48	50
310	1.15	12	14	16	18	21	23	25	28	30	32	35	37	39	41	44	46	48
325	1.1	11	13	15	18	20	22	24	26	29	31	33	35	37	40	42	44	46
340	1.05	11	13	15	17	19	21	23	25	27	29	32	34	36	38	40	42	44
360	1.	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
380	.95	10	11	13	15	17	19	21	23	25	27	29	30	32	34	36	38	40
400	.9	9	11	13	14	16	18	20	22	23	25	27	29	31	32	34	36	38
425	.85	9	10	12	14	15	17	19	20	22	24	26	27	29	31	32	34	36
450	.8	8	10	11	13	14	16	18	19	21	22	24	26	27	29	30	32	34
475	.75	8	9	11	12	14	15	17	18	20	21	23	24	26	27	29	30	32
500	.7	7	8	10	11	13	14	15	17	18	20	21	22	24	25	27	28	29
Alphabet Length	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42

how many lines?

Anyone who has used "copy-fitting systems" based on word count knows by experience that such methods are inaccurate and misleading. The only sure method is one based on character count. The character count of a typewritten manuscript is easily determined and with the help of the Linotype copy-fitting tables, it is equally simple to determine the space that will be occupied in type.

... this copy, set in 10 point Bodoni Book, to a 12 pica width, will make 12 lines of type ...

CHARACTERS BY PICAS, continued

Alphabet Length	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
122	2.75	28	33	39	44	50	55	61	66	72	77	83	88	94	99	105	110	116
124	2.7	28	33	39	44	50	54	59	65	70	75	81	86	92	97	103	108	113
127	2.65	27	32	37	42	48	53	58	64	69	74	80	85	90	95	101	106	111
129	2.6	26	31	36	41	46	51	56	61	66	71	76	81	86	91	96	101	106
132	2.55	26	31	36	41	46	51	56	61	66	71	76	81	86	91	96	101	106
133	2.5	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105
138	2.45	25	30	34	39	44	49	54	59	64	69	74	79	84	89	94	99	104
143	2.4	24	29	34	39	44	49	54	59	64	69	74	79	84	89	94	99	104
146	2.35	24	28	33	38	43	47	52	56	61	66	71	75	80	85	90	94	99
150	2.3	23	28	32	37	41	46	51	55	60	64	69	74	78	83	87	92	97
154	2.25	23	27	32	36	41	45	50	54	59	63	68	72	77	81	85	90	94
158	2.2	22	26	31	35	40	44	48	53	57	61	66	70	75	79	84	88	92
162	2.15	22	26	30	34	39	43	47	52	56	60	65	69	73	77	82	86	90
166	2.1	21	25	29	34	38	43	47	51	55	59	64	68	72	76	80	84	88
170	2.05	21	25	29	33	37	41	45	49	53	57	61	65	70	74	78	82	86
175	2	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
180	1.95	20	23	27	31	35	39	43	47	51	55	59	63	67	71	75	79	83
185	1.9	19	22	25	29	33	37	41	45	49	53	57	61	65	69	73	77	81
190	1.85	19	22	25	29	33	37	41	45	49	53	57	61	65	69	73	77	81
195	1.8	18	21	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
200	1.75	18	21	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
206	1.7	17	20	24	27	31	34	37	41	44	48	51	54	58	61	65	68	71
212	1.65	17	20	23	26	30	33	36	40	43	46	50	53	56	59	63	66	69
218	1.6	16	19	22	25	29	32	35	38	41	45	48	51	54	58	61	64	67
225	1.55	16	19	22	25	29	31	34	37	40	43	46	49	52	55	58	61	64
233	1.5	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63
241	1.45	15	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62
250	1.4	14	17	20	22	25	28	31	34	37	40	43	46	49	52	55	58	61
260	1.35	14	16	19	22	25	28	31	34	37	40	43	46	49	52	55	58	61
270	1.3	13	16	18	21	23	26	29	31	34	37	40	43	46	49	52	55	58
280	1.25	13	15	18	20	23	25	28	30	33	35	38	40	43	46	49	52	55
290	1.2	12	14	17	19	22	24	27	29	31	34	36	39	41	44	47	50	53
300	1.15	12	14	16	18	21	23	25	28	30	32	35	37	39	42	44	47	50
310	1.1	11	13	15	17	19	21	23	25	28	30	32	34	36	39	41	44	46
320	1.05	11	13	15	17	19	21	23	25	27	29	31	33	35	37	40	42	44
330	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	39	41	43
340	0.95	10	11	13	15	17	19	21	22	24	26	28	30	32	34	36	38	40
350	0.9	9	11	13	14	16	18	20	21	23	25	27	29	31	33	35	37	39
400	0.8	9	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
450	0.75	8	10	11	13	14	16	18	20	22	24	26	28	30	32	34	36	38
500	0.7	8	9	11	12	14	16	18	20	21	23	25	27	29	31	33	35	37
600	0.65	7	8	10	11	13	14	16	18	20	21	23	25	27	29	31	33	35
Alphabet Length	1	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42

The above typewritten copy contains 8 lines, averaging 49 characters to the line. Multiplication: $8 \times 49 = 392$ characters. The Linotype table of alphabet lengths shows at a glance that the 10 point Bodoni Book lower case alphabet is 122 points long. The "Characters by Picas" tabulation indicates that a twelve-pica measure will average 33 characters to the line. Then $392 \div 33 = 12$ lines. If matter is to be leaded, figure the additional depth taken by leads to determine the actual area occupied by the typeface.

MERGENTHALER LINOTYPE COMPANY, BROOKLYN, N. Y.
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