



ALL ACCESS SEWING



Stretch Ruler Calculations (cm)

Measurement cm	Cut to (cm)...								
	10%	20%	30%	40%	50%	60%	70%	80%	90%
15	13.50	12.00	10.50	9.00	7.50	6.00	4.50	3.00	1.50
16	14.40	12.80	11.20	9.60	8.00	6.40	4.80	3.20	1.60
17	15.30	13.60	11.90	10.20	8.50	6.80	5.10	3.40	1.70
18	16.20	14.40	12.60	10.80	9.00	7.20	5.40	3.60	1.80
19	17.10	15.20	13.30	11.40	9.50	7.60	5.70	3.80	1.90
20	18.00	16.00	14.00	12.00	10.00	8.00	6.00	4.00	2.00
21	18.90	16.80	14.70	12.60	10.50	8.40	6.30	4.20	2.10
22	19.80	17.60	15.40	13.20	11.00	8.80	6.60	4.40	2.20
23	20.70	18.40	16.10	13.80	11.50	9.20	6.90	4.60	2.30
24	21.60	19.20	16.80	14.40	12.00	9.60	7.20	4.80	2.40
25	22.50	20.00	17.50	15.00	12.50	10.00	7.50	5.00	2.50
26	23.40	20.80	18.20	15.60	13.00	10.40	7.80	5.20	2.60
27	24.30	21.60	18.90	16.20	13.50	10.80	8.10	5.40	2.70
28	25.20	22.40	19.60	16.80	14.00	11.20	8.40	5.60	2.80
29	26.10	23.20	20.30	17.40	14.50	11.60	8.70	5.80	2.90
30	27.00	24.00	21.00	18.00	15.00	12.00	9.00	6.00	3.00
31	27.90	24.80	21.70	18.60	15.50	12.40	9.30	6.20	3.10
32	28.80	25.60	22.40	19.20	16.00	12.80	9.60	6.40	3.20
33	29.70	26.40	23.10	19.80	16.50	13.20	9.90	6.60	3.30
34	30.60	27.20	23.80	20.40	17.00	13.60	10.20	6.80	3.40
35	31.50	28.00	24.50	21.00	17.50	14.00	10.50	7.00	3.50
36	32.40	28.80	25.20	21.60	18.00	14.40	10.80	7.20	3.60
37	33.30	29.60	25.90	22.20	18.50	14.80	11.10	7.40	3.70
38	34.20	30.40	26.60	22.80	19.00	15.20	11.40	7.60	3.80
39	35.10	31.20	27.30	23.40	19.50	15.60	11.70	7.80	3.90
40	36.00	32.00	28.00	24.00	20.00	16.00	12.00	8.00	4.00
41	36.90	32.80	28.70	24.60	20.50	16.40	12.30	8.20	4.10
42	37.80	33.60	29.40	25.20	21.00	16.80	12.60	8.40	4.20
43	38.70	34.40	30.10	25.80	21.50	17.20	12.90	8.60	4.30
44	39.60	35.20	30.80	26.40	22.00	17.60	13.20	8.80	4.40
45	40.50	36.00	31.50	27.00	22.50	18.00	13.50	9.00	4.50
46	41.40	36.80	32.20	27.60	23.00	18.40	13.80	9.20	4.60
47	42.30	37.60	32.90	28.20	23.50	18.80	14.10	9.40	4.70
48	43.20	38.40	33.60	28.80	24.00	19.20	14.40	9.60	4.80
49	44.10	39.20	34.30	29.40	24.50	19.60	14.70	9.80	4.90
50	45.00	40.00	35.00	30.00	25.00	20.00	15.00	10.00	5.00

51	45.90	40.80	35.70	30.60	25.50	20.40	15.30	10.20	5.10
52	46.80	41.60	36.40	31.20	26.00	20.80	15.60	10.40	5.20
53	47.70	42.40	37.10	31.80	26.50	21.20	15.90	10.60	5.30
54	48.60	43.20	37.80	32.40	27.00	21.60	16.20	10.80	5.40
55	49.50	44.00	38.50	33.00	27.50	22.00	16.50	11.00	5.50
56	50.40	44.80	39.20	33.60	28.00	22.40	16.80	11.20	5.60
57	51.30	45.60	39.90	34.20	28.50	22.80	17.10	11.40	5.70
58	52.20	46.40	40.60	34.80	29.00	23.20	17.40	11.60	5.80
59	53.10	47.20	41.30	35.40	29.50	23.60	17.70	11.80	5.90
60	54.00	48.00	42.00	36.00	30.00	24.00	18.00	12.00	6.00
61	54.90	48.80	42.70	36.60	30.50	24.40	18.30	12.20	6.10
62	55.80	49.60	43.40	37.20	31.00	24.80	18.60	12.40	6.20
63	56.70	50.40	44.10	37.80	31.50	25.20	18.90	12.60	6.30
64	57.60	51.20	44.80	38.40	32.00	25.60	19.20	12.80	6.40
65	58.50	52.00	45.50	39.00	32.50	26.00	19.50	13.00	6.50
66	59.40	52.80	46.20	39.60	33.00	26.40	19.80	13.20	6.60
67	60.30	53.60	46.90	40.20	33.50	26.80	20.10	13.40	6.70
68	61.20	54.40	47.60	40.80	34.00	27.20	20.40	13.60	6.80
69	62.10	55.20	48.30	41.40	34.50	27.60	20.70	13.80	6.90
70	63.00	56.00	49.00	42.00	35.00	28.00	21.00	14.00	7.00
71	63.90	56.80	49.70	42.60	35.50	28.40	21.30	14.20	7.10
72	64.80	57.60	50.40	43.20	36.00	28.80	21.60	14.40	7.20
73	65.70	58.40	51.10	43.80	36.50	29.20	21.90	14.60	7.30
74	66.60	59.20	51.80	44.40	37.00	29.60	22.20	14.80	7.40
75	67.50	60.00	52.50	45.00	37.50	30.00	22.50	15.00	7.50
76	68.40	60.80	53.20	45.60	38.00	30.40	22.80	15.20	7.60
77	69.30	61.60	53.90	46.20	38.50	30.80	23.10	15.40	7.70
78	70.20	62.40	54.60	46.80	39.00	31.20	23.40	15.60	7.80
79	71.10	63.20	55.30	47.40	39.50	31.60	23.70	15.80	7.90
80	72.00	64.00	56.00	48.00	40.00	32.00	24.00	16.00	8.00
81	72.90	64.80	56.70	48.60	40.50	32.40	24.30	16.20	8.10
82	73.80	65.60	57.40	49.20	41.00	32.80	24.60	16.40	8.20
83	74.70	66.40	58.10	49.80	41.50	33.20	24.90	16.60	8.30
84	75.60	67.20	58.80	50.40	42.00	33.60	25.20	16.80	8.40
85	76.50	68.00	59.50	51.00	42.50	34.00	25.50	17.00	8.50
86	77.40	68.80	60.20	51.60	43.00	34.40	25.80	17.20	8.60
87	78.30	69.60	60.90	52.20	43.50	34.80	26.10	17.40	8.70
88	79.20	70.40	61.60	52.80	44.00	35.20	26.40	17.60	8.80
89	80.10	71.20	62.30	53.40	44.50	35.60	26.70	17.80	8.90
90	81.00	72.00	63.00	54.00	45.00	36.00	27.00	18.00	9.00
91	81.90	72.80	63.70	54.60	45.50	36.40	27.30	18.20	9.10
92	82.80	73.60	64.40	55.20	46.00	36.80	27.60	18.40	9.20
93	83.70	74.40	65.10	55.80	46.50	37.20	27.90	18.60	9.30
94	84.60	75.20	65.80	56.40	47.00	37.60	28.20	18.80	9.40
95	85.50	76.00	66.50	57.00	47.50	38.00	28.50	19.00	9.50

96	86.40	76.80	67.20	57.60	48.00	38.40	28.80	19.20	9.60
97	87.30	77.60	67.90	58.20	48.50	38.80	29.10	19.40	9.70
98	88.20	78.40	68.60	58.80	49.00	39.20	29.40	19.60	9.80
99	89.10	79.20	69.30	59.40	49.50	39.60	29.70	19.80	9.90
100	90.00	80.00	70.00	60.00	50.00	40.00	30.00	20.00	10.00
101	90.90	80.80	70.70	60.60	50.50	40.40	30.30	20.20	10.10
102	91.80	81.60	71.40	61.20	51.00	40.80	30.60	20.40	10.20
103	92.70	82.40	72.10	61.80	51.50	41.20	30.90	20.60	10.30
104	93.60	83.20	72.80	62.40	52.00	41.60	31.20	20.80	10.40
105	94.50	84.00	73.50	63.00	52.50	42.00	31.50	21.00	10.50
106	95.40	84.80	74.20	63.60	53.00	42.40	31.80	21.20	10.60
107	96.30	85.60	74.90	64.20	53.50	42.80	32.10	21.40	10.70
108	97.20	86.40	75.60	64.80	54.00	43.20	32.40	21.60	10.80
109	98.10	87.20	76.30	65.40	54.50	43.60	32.70	21.80	10.90
110	99.00	88.00	77.00	66.00	55.00	44.00	33.00	22.00	11.00
111	99.90	88.80	77.70	66.60	55.50	44.40	33.30	22.20	11.10
112	100.80	89.60	78.40	67.20	56.00	44.80	33.60	22.40	11.20
113	101.70	90.40	79.10	67.80	56.50	45.20	33.90	22.60	11.30
114	102.60	91.20	79.80	68.40	57.00	45.60	34.20	22.80	11.40
115	103.50	92.00	80.50	69.00	57.50	46.00	34.50	23.00	11.50
116	104.40	92.80	81.20	69.60	58.00	46.40	34.80	23.20	11.60
117	105.30	93.60	81.90	70.20	58.50	46.80	35.10	23.40	11.70
118	106.20	94.40	82.60	70.80	59.00	47.20	35.40	23.60	11.80
119	107.10	95.20	83.30	71.40	59.50	47.60	35.70	23.80	11.90
120	108.00	96.00	84.00	72.00	60.00	48.00	36.00	24.00	12.00
121	108.90	96.80	84.70	72.60	60.50	48.40	36.30	24.20	12.10
122	109.80	97.60	85.40	73.20	61.00	48.80	36.60	24.40	12.20
123	110.70	98.40	86.10	73.80	61.50	49.20	36.90	24.60	12.30
124	111.60	99.20	86.80	74.40	62.00	49.60	37.20	24.80	12.40
125	112.50	100.00	87.50	75.00	62.50	50.00	37.50	25.00	12.50
126	113.40	100.80	88.20	75.60	63.00	50.40	37.80	25.20	12.60
127	114.30	101.60	88.90	76.20	63.50	50.80	38.10	25.40	12.70
128	115.20	102.40	89.60	76.80	64.00	51.20	38.40	25.60	12.80
129	116.10	103.20	90.30	77.40	64.50	51.60	38.70	25.80	12.90
130	117.00	104.00	91.00	78.00	65.00	52.00	39.00	26.00	13.00
131	117.90	104.80	91.70	78.60	65.50	52.40	39.30	26.20	13.10
132	118.80	105.60	92.40	79.20	66.00	52.80	39.60	26.40	13.20
133	119.70	106.40	93.10	79.80	66.50	53.20	39.90	26.60	13.30
134	120.60	107.20	93.80	80.40	67.00	53.60	40.20	26.80	13.40
135	121.50	108.00	94.50	81.00	67.50	54.00	40.50	27.00	13.50
136	122.40	108.80	95.20	81.60	68.00	54.40	40.80	27.20	13.60
137	123.30	109.60	95.90	82.20	68.50	54.80	41.10	27.40	13.70
138	124.20	110.40	96.60	82.80	69.00	55.20	41.40	27.60	13.80
139	125.10	111.20	97.30	83.40	69.50	55.60	41.70	27.80	13.90
140	126.00	112.00	98.00	84.00	70.00	56.00	42.00	28.00	14.00

141	126.90	112.80	98.70	84.60	70.50	56.40	42.30	28.20	14.10
142	127.80	113.60	99.40	85.20	71.00	56.80	42.60	28.40	14.20
143	128.70	114.40	100.10	85.80	71.50	57.20	42.90	28.60	14.30
144	129.60	115.20	100.80	86.40	72.00	57.60	43.20	28.80	14.40
145	130.50	116.00	101.50	87.00	72.50	58.00	43.50	29.00	14.50
146	131.40	116.80	102.20	87.60	73.00	58.40	43.80	29.20	14.60
147	132.30	117.60	102.90	88.20	73.50	58.80	44.10	29.40	14.70
148	133.20	118.40	103.60	88.80	74.00	59.20	44.40	29.60	14.80
149	134.10	119.20	104.30	89.40	74.50	59.60	44.70	29.80	14.90
150	135.00	120.00	105.00	90.00	75.00	60.00	45.00	30.00	15.00