

TABLE 9.1 FITNESSGRAM Standards for Healthy Fitness Zone

BOYS														
Age	VO ₂ max (ml · kg ⁻¹ · min ⁻¹)		20-meter PACER (Enter # laps in software)		15-meter PACER (Use conversion chart; enter in software)†		One-mile run (min:sec)		Walk test (VO ₂ max)		Percent fat		Body mass index	
5			Participation in run.				Completion of distance.				25	10	20	14.7
6			Lap count standards not recommended.				Time standards not recommended.				25	10	20	14.7
7									25	10	20	14.9		
8									25	10	20	15.1		
9									25	7	20	13.7		
10	42	52	23	61	30	80	11:30	9:00			25	7	21	14.0
11	42	52	23	72	30	94	11:00	8:30			25	7	21	14.3
12	42	52	32	72	42	94	10:30	8:00			25	7	22	14.6
13	42	52	41	83	54	108	10:00	7:30	42	52	25	7	23	15.1
14	42	52	41	83	54	108	9:30	7:00	42	52	25	7	24.5	15.6
15	42	52	51	94	67	123	9:00	7:00	42	52	25	7	25	16.2
16	42	52	61	94	80	123	8:30	7:00	42	52	25	7	26.5	16.6
17	42	52	61	106	80	138	8:30	7:00	42	52	25	7	27	17.3
17+	42	52	72	106	94	138	8:30	7:00	42	52	25	7	27.8	17.8

Age	Curl-up (no. completed)		Trunk lift (inches)		90° push-up (no. completed)		Modified pull-up (no. completed)		Flexed arm hang (seconds)		Back-saver sit and reach* (inches)	Shoulder stretch
5	2	10	6	12	3	8	2	7	2	8	8	Healthy Fitness Zone = touching fingertips together behind the back on both the right and left sides.
6	2	10	6	12	3	8	2	7	2	8	8	
7	4	14	6	12	4	10	3	9	3	8	8	
8	6	20	6	12	5	13	4	11	3	10	8	
9	9	24	6	12	6	15	5	11	4	10	8	
10	12	24	9	12	7	20	5	15	4	10	8	
11	15	28	9	12	8	20	6	17	6	13	8	
12	18	36	9	12	10	20	7	20	10	15	8	
13	21	40	9	12	12	25	8	22	12	17	8	
14	24	45	9	12	14	30	9	25	15	20	8	
15	24	47	9	12	16	35	10	27	15	20	8	
16	24	47	9	12	18	35	12	30	15	20	8	
17	24	47	9	12	18	35	14	30	15	20	8	
17+	24	47	9	12	18	35	14	30	15	20	8	

Number on left is lower end of HFZ; number on right is upper end of HFZ.

*Test scored Pass/Fail; must reach this distance to pass.

†Conversion chart on page 94.

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