		1,930,000,000 nm 1 1,920,000,000 nm 1 1,910,000,000 nm 1 anometers 1	92 91 75	
	(one billion, nine hundred m	illion nanometers) 1 1,890,000,000 nm 1 1,880,000,000 nm 1 1,870,000,000 nm 1	89 <u>— </u>	
		1,860,000,000 nm 1 1,850,000,000 nm 1 1,840,000,000 nm 1 1,830,000,000 nm 1	85 73 84	3 72 in
	1,800,000,000 n (one billion, eight hundred m		81 7: 80 cm 7:	6 feet
		1,790,000,000 nm — 1 1,780,000,000 nm — 1 1,770,000,000 nm — 1 1,760,000,000 nm — 1 	78 70 77	
		1,750,000,000 nm 1 1,740,000,000 nm 1 1,730,000,000 nm 1 1,720,000,000 nm 1	74 73 68	
	1,700,000,000 n one billion, seven hundred m	1,690,000,000 nm — 1	70 cm 61 69	7
		1,680,000,000 nm — 1 1,670,000,000 nm — 1 1,660,000,000 nm — 1 1,650,000,000 nm — 1 	67 <u> </u>	
		1,640,000,000 nm 1 1 1,630,000,000 nm 1 1,620,000,000 nm 1 1 1,610,000,000 nm 1	63 64 62	
	(one billion, six hundred m	anometers	59 58 62	
		1,550,000,000 nm 1 1,550,000,000 nm 1 1,550,000,000 nm 1 1,540,000,000 nm 1	56 55 62	
		1,530,000,000 nm — 1 1,520,000,000 nm — 1 1,510,000,000 nm — 1 anometers _ 1 1	52 51	60 in 5 feet
		1,490,000,000 nm 1 1,480,000,000 nm 1 1,470,000,000 nm 1 1,460,000,000 nm 1	48 58 47 58	3
		1,450,000,000 nm — 1 1,440,000,000 nm — 1 1,430,000,000 nm — 1	45 57 44 43 56	
	1,400,000,000 n (one billion, four hundred m	1,420,000,000 nm 1 1,410,000,000 nm 1 anometers 1 illion nanometers) 1 1,390,000,000 nm 1	42 41 40 cm 55	
		1,380,000,000 nm 1 1,370,000,000 nm 1 1,360,000,000 nm 1 1,350,000,000 nm 1	37 <u></u> 54 36 <u></u>	
		1,340,000,000 nm — 1 1,330,000,000 nm — 1 1,320,000,000 nm — 1	34 53 33 32 52 	
How Tall Are You? Try measuring yourself	1,300,000,000 n one billion, three hundred m	1,310,000,000 nm 1 anometers 1 illion nanometers) 1 1,290,000,000 nm 1 1,280,000,000 nm 1	30 cm 5: 29	
Are you super tall—or is a nanometer super small?		1,270,000,000 nm 1 1,260,000,000 nm 1 1,250,000,000 nm 1 1,240,000,000 nm 1	26 25 49	
One meter is a billion nanometers. (A meter is a little longer than a yard.) So if you're a little over three feet tall, you measure a billion nanometers! That sounds pretty impressive, but it		1,230,000,000 nm — 1 1,220,000,000 nm — 1 1,210,000,000 nm — 1 anometers _ 1	23 22 21	48 in 4 feet
doesn't mean that you're super tall— t means that a nanometer is ncredibly small. Here are some other ways to think	(one billion, two hundred m	illion nanometers) 1 1,190,000,000 nm 1 1,180,000,000 nm 1 1,170,000,000 nm 1 	19 47 18	
 about how tiny a nanometer is: The ridges in your fingerprints are around 250,000 nanometers wide. 		1,160,000,000 nm 1 1,150,000,000 nm 1 1,140,000,000 nm 1 1,130,000,000 nm 1	15 45 14 45	5
 A strand of your hair is around 75,000 nanometers wide. Your DNA is 2 nanometers wide. Your fingernails grow 	1,100,000,000 n (one billion, one hundred m	1,120,000,000 nm 1 1,110,000,000 nm 1 anometers 1 illion nanometers) 1 1,090,000,000 nm 1	11 44 10 cm 42	
1 nanometer every second. What's measured		1,080,000,000 nm 1 1,080,000,000 nm 1 1,070,000,000 nm 1 1,060,000,000 nm 1 	08 07 42	
A nanometer is a billionth of a meter. That's really, really tiny!		1,050,000,000 nm 1 1,040,000,000 nm 1 1,030,000,000 nm 1 1,020,000,000 nm 1	04 <u> </u>	
Nanometers are used to measure things that are too small to see, like parts of a cell or DNA. It takes a lot of nanometers to measure something relatively big, like you.	1,000,000,000 n	1,010,000,000 nm 1 anometers 1 illion nanometers) 1 990,000,000 nm 9 980,000,000 nm 9	01 00 cm 9 39	
		970,000,000 nm — 9 960,000,000 nm — 9 950,000,000 nm — 9 	7 38 6 38 5	
		940,000,000 nm — 9 930,000,000 nm — 9 920,000,000 nm — 9 910,000,000 nm — 9 — 9 — 9	3 2 1	36 in 3 feet
	900,000,000 n (nine hundred m	anometers 9 illion nanometers) 8 890,000,000 nm 8 880,000,000 nm 8 870,000,000 nm 8	9 39 39 39	5
A child is about 1,000,000,000 nanometers tall.		860,000,000 nm — 8 850,000,000 nm — 8 840,000,000 nm — 8 830,000,000 nm — 8	5 <u> </u>	
	800,000,000 n (eight hundred m	820,000,000 nm — 8 810,000,000 nm — 8 anometers _ 8 810,000,000 nm 8 8 8	2 32 1 32 0 cm	
isory com		790,000,000 nm — 7 780,000,000 nm — 7 770,000,000 nm — 7 760,000,000 nm — 7 … 7	8 <u> </u>	
A red blood cell is about 10,000 nanometers wide.		750,000,000 nm — 7 740,000,000 nm — 7 730,000,000 nm — 7 720,000,000 nm — 7	4 29 3)
	700,000,000 n (seven hundred m	710,000,000 nm — 7 anometers _ 7 690,000,000 nm — 6 680,000,000 nm — 6	0 cm 9 2:	
Block.com		670,000,000 nm 6 660,000,000 nm 6 650,000,000 nm 6	7 6 20 5	
DNA is about 2 nanometers wide.		640,000,000 nm 6 630,000,000 nm 6 620,000,000 nm 6 610,000,000 nm 6	2 2! 3 2	5 24 in 2 feet
	600,000,000 n (six hundred m	anometers 6 illion nanometers) 5 590,000,000 nm 5 580,000,000 nm 5 5 570,000,000 nm 5	9 <u> </u>	3
		560,000,000 nm 5 550,000,000 nm 5 540,000,000 nm 5 530,000,000 nm 5	5 <u> </u>	
	500,000,000 n (five hundred m	520,000,000 nm 5 510,000,000 nm 5 anometers 5	2 1 20 0 cm	
		490,000,000 nm — 4 480,000,000 nm — 4 470,000,000 nm — 4 460,000,000 nm — 4 	8 <u> </u>	
		450,000,000 nm — 4 440,000,000 nm — 4 430,000,000 nm — 4 420,000,000 nm — 4	4 3 17	
	400,000,000 n (four hundred m	410,000,000 nm — 4 anometers _ 4 illion nanometers) _ 4 390,000,000 nm _ 3 380,000,000 nm _ 3	9 16	
		370,000,000 nm — 3 360,000,000 nm — 3 350,000,000 nm — 3 	5 14	
		340,000,000 nm 3 330,000,000 nm 3 320,000,000 nm 3 310,000,000 nm 3 3	3 13 2 1	12 in
	300,000,000 n (three hundred m	anometers 3 illion nanometers) 290,000,000 nm 2 280,000,000 nm 270,000,000 nm 270,000,000 nm	9 <u>—</u> 8 <u>—</u> 1:	1 foot
		260,000,000 nm 2 250,000,000 nm 2 240,000,000 nm 2 230,000,000 nm 2	5 10 4	
	200,000,000 n (two hundred m	220,000,000 nm 2 210,000,000 nm 2 manometers 2	2 1 8 0 cm 8	
		190,000,000 nm 1 	8 7 7 6 6	
		150,000,000 nm 1 	4 3 5	
	100,000,000 n (one hundred m		0 cm 4	
EXPLORE SCIENCE		7 70,000,000 nm 7 60,000,000 nm 6 5 50,000,000 nm 5	3 	
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