








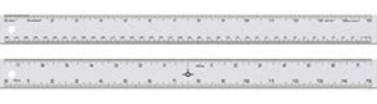


















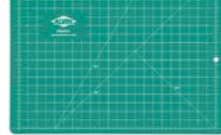







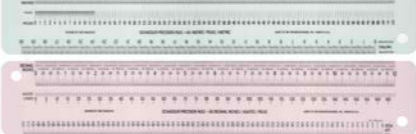




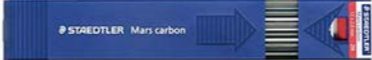


DES 320 Drafting & Sketching for Design (Trogu) Spring 2023 -- Required tools					
		Note: images not to scale	Prices as of 2023-01-25		
Item		Item pic	Amazon	Blick	Flax
1	Staedtler Mars Technico 780 2mm M— Mechanical Lead Holder for technical precision drawing — use with 2H lead (graphite).		<a href="#">\$8.92</a>	<a href="#">\$9.87</a>	<a href="#">\$12.00</a>
2	Mars Lumograph Leads 2mm.		—	—	<a href="#">\$3.00</a>
3	Staedtler Mars Plastic Eraser.		—	—	<a href="#">\$1.60</a>
4	Alternative to #1,2,3 above: Set of taedtler mechanical lead holder, leads, and eraser.		<a href="#">\$16.00</a>	—	—
5	Dahle 301 Precision Sharpener for 2mm Leads.		<a href="#">\$7.97</a>	—	<a href="#">\$10.80</a>
6	Coopay Triangle Set 30/60° (9") & 45/45° (6") -- Triangle Hollow — For drafting with		<a href="#">\$15.99</a>	—	—
7	Kern Jointed Bow Drafting Compass — For drawing circles and geometric constructions.		<a href="#">\$21.99</a>	<a href="#">\$21.99</a>	—
8	Alternative to #7: Alvin Introductory Bow Drafting Compass		<a href="#">\$14.99</a>	<a href="#">\$14.07</a>	—
9	Alumicolor Aluminum Straight Edge 12-Inch Silver		<a href="#">\$7.00</a>	<a href="#">\$6.50</a>	—
10	Optional 1: Alumicolor Aluminum Straight Edge 15-Inch		<a href="#">\$6.95</a>	—	—
11	Optional 2: Officemate Steel Ruler 15 inches		<a href="#">\$6.13</a>	—	—
12	OLFA 180 Multi-Purpose Knife 9mm — DO NOT use X-acto knife type		<a href="#">\$6.94</a>	<a href="#">\$3.99</a>	<a href="#">\$4.30</a>
13	Strathmore 9x12 inch 300 Series Bristol Pad Smooth Surface — For technical drawing.		—	<a href="#">\$8.15</a>	<a href="#">\$10.95</a>
14	Strathmore Tracing Paper Pad 9x12" 25 lb (41g/m2).		<a href="#">\$7.38</a>	<a href="#">\$6.22</a>	<a href="#">\$6.95</a>
15	Canson Sketching Pad Fine Grain 9x12" 50lb (74g/m2) — For freehand sketching. Will have some in class the first few weeks.		—	<a href="#">\$9.63</a>	<a href="#">\$10.50</a>
16	Lumograph Pencil B for sketching.		—	<a href="#">\$1.78</a>	<a href="#">\$2.00</a>
17	Staedtler Double Hole Pencil Sharpener — For regular pencils, including B above.		<a href="#">\$5.99</a>	<a href="#">\$5.70</a>	<a href="#">\$5.10</a>
18	Multi-Surface Adhesive Tape, 0.94 Inches x 60 Yards, 1 Roll		<a href="#">\$3.49</a>	—	—
19	3M Magic Tape with Dispenser 3/4" x 800" — For cube construction.		—	—	<a href="#">\$2.85</a>
<b>Total: \$100.18 (Min.) -- 134.87 (Max.)</b>					

Click on item to visit websites

Click on stickies for long descriptions.

DES 320 Drafting & Sketching for Design (Trogu) Spring 2023 Optional, recommended (for industrial design classes), or alternative tools & supplies (various sources)			A = Amazon B = Blick F = Flax
1	<a href="#">Art Alternatives Drafting triangle 10" 30/60/90 -- AA27137</a>		\$9.49 Art-Alternatives
2	<a href="#">Art Alternatives Drafting triangle 8" 45/45/90 -- AA27134</a>		\$8.79 Art-Alternatives
3	<a href="#">Stainless Steel Erasing Shield</a>		\$3.99 A
4	<a href="#">Sandpaper pad for sharpening mechanical lead holder and compass leads &amp; alternative to Dahle 301</a>		\$1.90 B
5	<a href="#">ScotchBlue Multi-Surface Painter's Tape 0.70 Inches x 60 Yards</a>		\$4.49 A
6	<a href="#">Staedtler Pencil Set 12 Hard/Soft Degrees from 2H to 8B</a>		\$18.47 A
7	<a href="#">Dahle Canister Pencil Sharpener (as an alternative, sharpen pencils by hand)</a>		\$6.49 B
8	<a href="#">Elmer's white glue for refined cube construction 4 oz</a>		\$2.12 B
9	<a href="#">ALVIN T-Square 24 inch</a>		\$25.75 A
10	<a href="#">Alvin 8.5x12 Self-healing cutting mat (use the back of your drafting pad as alternative)</a>		\$9.99 A
11	<a href="#">Top quality pencil sharpener (Blackwing)</a>		\$15.00 B
12	<a href="#">Palomino Blackwing 602 pencils for sketching – set of 12</a>		\$27.00 B
13	<a href="#">Mirado Black Warrior pencils for sketching (set of 12)</a>		\$3.24 B
14	<a href="#">Staedtler drafting dots (instead of tape to hold drafting sheet down)</a>		\$14.50 B
15	<a href="#">Bone folder (for paper and bookbinding projects)</a>		\$5.70 Talas
16	<a href="#">Color pencils 1: Prismacolor Verithin color pencils (harder, hexagonal cross-section) set of 12</a>		\$9.87 B
17	<a href="#">Color pencils 2: Prismacolor Premier color pencils (softer, round cross-section) set of 12</a>		\$14.59 B
18	<a href="#">Shaedler precision rules (inches, decimal inches, millimeters, &amp; picas) original twin set</a>		\$49.98 Shaedler
19	<a href="#">Architect's scale.</a>		\$8.64 A
20	<a href="#">Drafting board with parallel edge (or without to use with T-square).</a>		Various Various
21	<a href="#">Mitutoyo 500-196-30CAL Digital Caliper with Calibration Inch/Metric 0-6" Range</a>		\$161.70 A
22	<a href="#">16 Lineco PVA Adhesive 8 Ounces</a>		\$10.00 A
23	<a href="#">2 Staedtler Mars Lead 2mm 2H (12count)</a>		\$9.77 A