



Handout 05.13: Cost Per Wear Worksheet and Quality Inspection Checklist

Name: _____ Date: _____ Station: _____

The formula: cost per wear = price divided by the number of times worn. The answer is in dollars per wear.

Word bank: price, wear, divide, seam, thread, button, strong Turkish: fiyat, giyme, bölmek, dikiş yeri, iplik, düğme, sağlam Portuguese: preço, uso, dividir, costura, linha, botão, forte Spanish: precio, uso, dividir, costura, hilo, botón, fuerte

5. Buttons and closures	Pull the button gently. Run the zipper.		
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Seam words to know

- **Single-needle seam:** one row of stitching. It is the first seam to open.
- **Double-needle seam:** two parallel rows. It holds much better.
- **Flat felled seam:** the raw edges are folded and wrapped inside, then stitched through. The strongest of the three. Look at the outside side seam of a pair of jeans.
- **Serged edge:** thread looped over the raw edge to stop it fraying. That is a finish, not a seam. A serged edge alone does not hold two pieces together.
- **Bar tack:** a short, dense line of stitches at a stress point, like the corner of a pocket.
- **Stress point:** anywhere the body pulls on the garment.

Part 3. Quality inspection, four garments

Run all five checks on each garment your station gets. Check the box if the answer is good. Write the number where a number is asked for.

Garment 1: _____

Check	Finding	Good?
Fiber (from the label)		[]
Seam type (single, double, flat felled, or serged only)		[]
Stitches per inch	_____ per inch	[]
Reinforcement at a stress point (name the point)		[]
Buttons and closures		[]

One sentence: this garment will or will not last, because _____

Garment 2: _____

Check	Finding	Good?
Fiber (from the label)		[]
Seam type		[]
Stitches per inch	_____ per inch	[]
Reinforcement at a stress point (name the point)		[]

Buttons and closures		[]
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One sentence: this garment will or will not last, because _____

Garment 3: _____

Check	Finding	Good?
Fiber (from the label)		[]
Seam type		[]
Stitches per inch	_____ per inch	[]
Reinforcement at a stress point (name the point)		[]
Buttons and closures		[]

One sentence: this garment will or will not last, because _____

Garment 4: _____

Check	Finding	Good?
Fiber (from the label)		[]
Seam type		[]
Stitches per inch	_____ per inch	[]
Reinforcement at a stress point (name the point)		[]
Buttons and closures		[]

One sentence: this garment will or will not last, because _____

My ranking

Most likely to last, 1, to least likely, 4. Write one reason for each rank.

Rank	Garment	Reason
1		
2		
3		
4		

Part 4. The trade-off: price now against cost over time

Two garments, two different people. Compute both.

Garment 2, the thin t-shirt: \$8. Garment 1, the heavy sweatshirt: \$44.

Person 1: a student who walks to school and will wear it four days a week for two winters

About how many wears in two winters? _____ wears

Garment	Price	Wears	Cost per wear
The \$8 t-shirt	\$8		\$
The \$44 sweatshirt	\$44		\$

Verdict, one sentence: _____

Person 2: someone who needs a shirt for one concert

About how many wears? _____ wears

Garment	Price	Wears	Cost per wear
The \$8 t-shirt	\$8		\$
The \$44 sweatshirt	\$44		\$

Verdict, one sentence: _____

The point in your own words: cost per wear only answers the question once you know _____.

Exit card

3 things you would check on a garment before buying it:

1. _____ 2. _____ 3. _____

2 cost-per-wear numbers you computed today, with units:

\$_____ per wear and \$_____ per wear

1 item in your own closet that you now think was a good buy or a bad buy, and why, in six words:

Grade 8 stretch (optional, on the back)

1. At what number of wears does the \$44 sweatshirt become cheaper per wear than an \$8 t-shirt worn 10 times? Show your work.
2. The \$8 t-shirt survives 10 washes. The \$44 sweatshirt survives 100. If you need a sweatshirt for 100 washes, what does each option actually cost you in total? Which is cheaper?
3. Pick a coat you own. Estimate its price and the wears per winter. What is its cost per wear per winter?