
HP Officejet Pro L7580 Series AiO

Cost-per-Print: Japan

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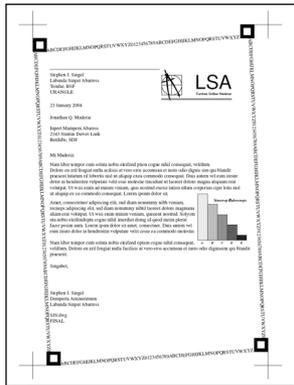
Melville, New York

1.631.367.6655

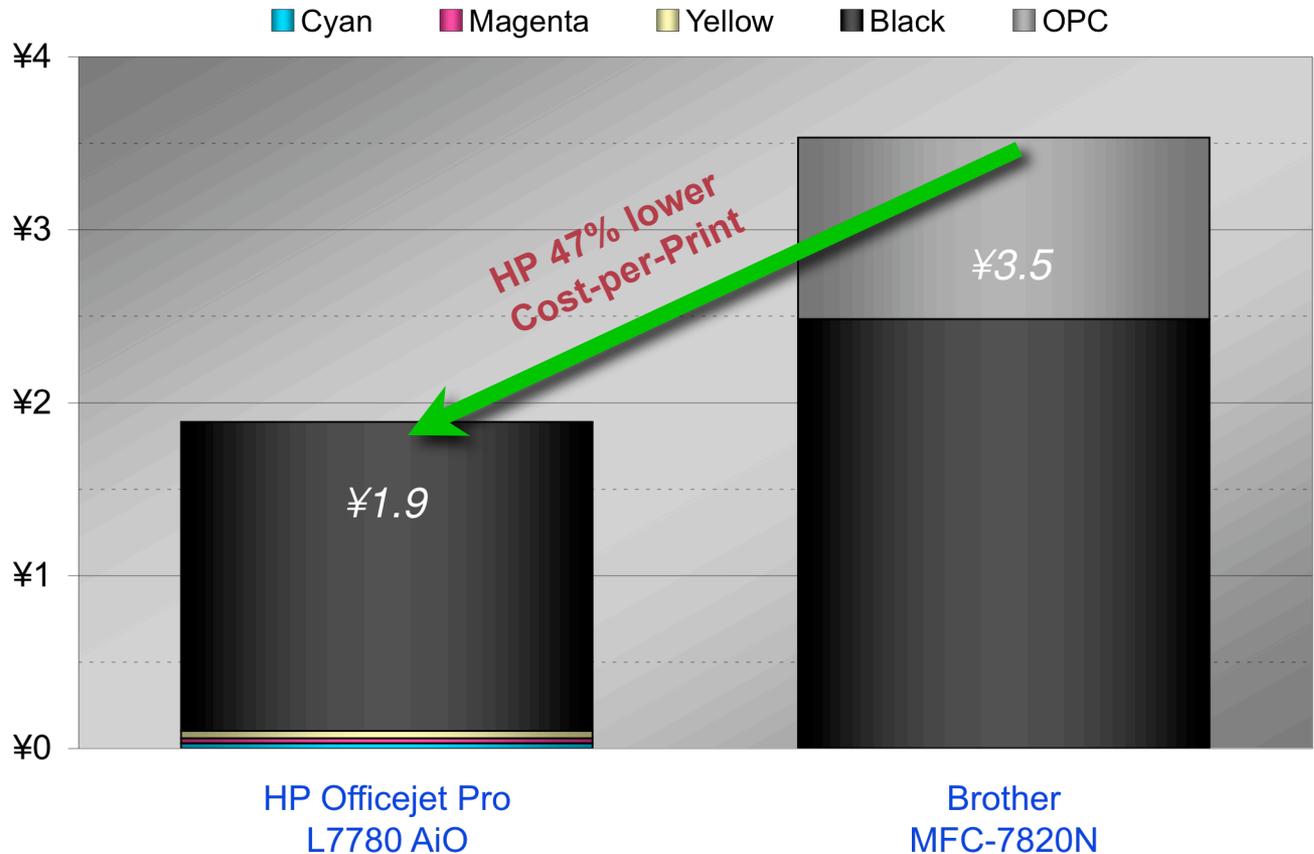


Cost-per-Print: JP¥ — HP Officejet Pro L7580 Series Color Inkjet AiO and Brother MFC-7820N

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COST-PER-PRINT TESTED



ISO/IEC Standard Test Page



HP Officejet Pro L7780 is US model of L7580 series.
 Cost-per-Price includes Ink/Toner and use-replaceable components.
 HP pricing provided by HP prior to commercial release;
 Other pricing (incl.VAT) per manufacturers' websites, as of April 2007.
 All testing performed using default driver settings.

Independent testing by *SpencerLab* Digital Color Laboratory was commissioned by Hewlett-Packard

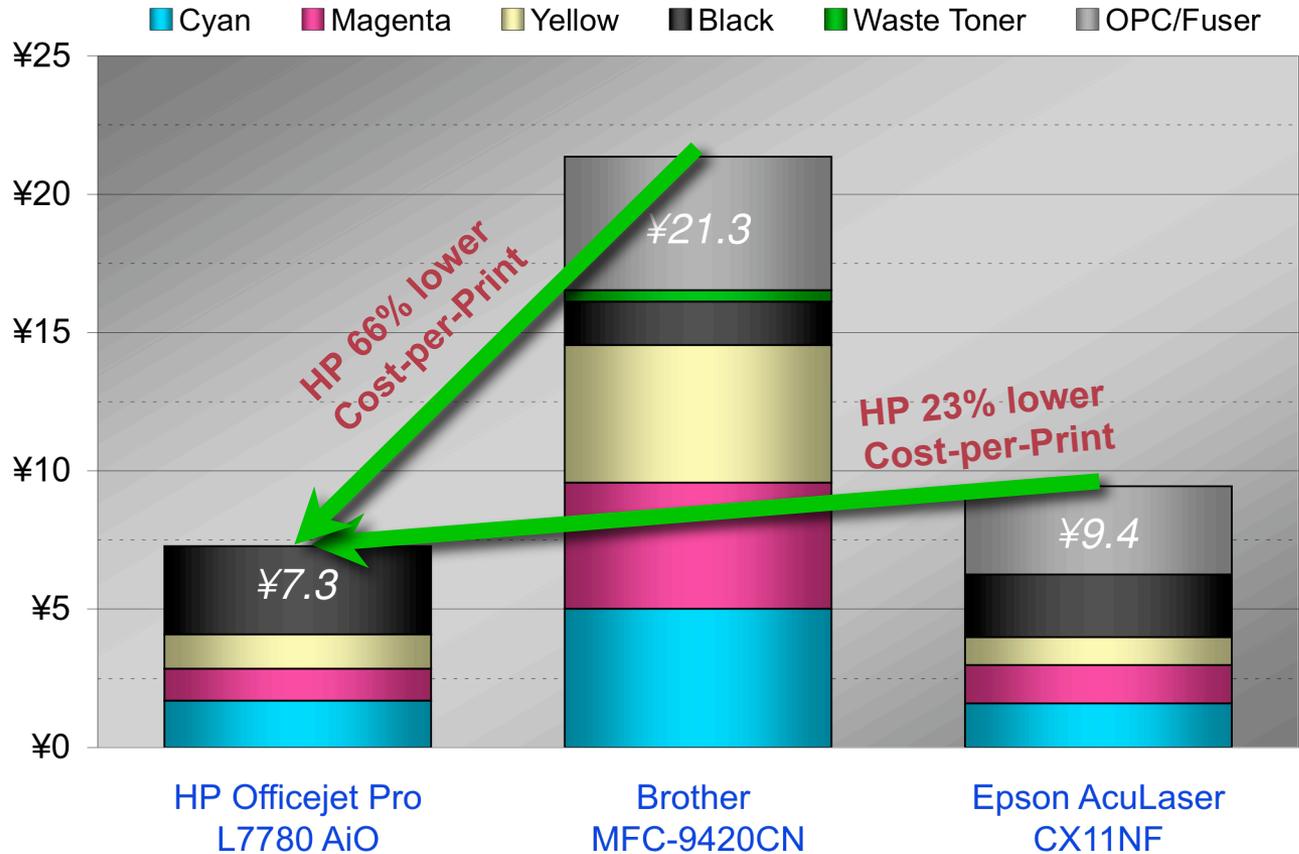


Cost-per-Print: JP¥ — HP Officejet Pro L7580 Series Color Inkjet AiO, Brother MFC-9420CN, & Epson LP-A500F

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COST-PER-PRINT TESTED



“Newsletter”
MIXED TEXT & GRAPHICS



HP Officejet Pro L7780 is US model of L7580 series.
Epson AcuLaser CX11NF is US model of LP-A500F.
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Cost-per-Print — Methodology

Determine Ink Cartridge Yields

Tested Devices

- *HP Officejet Pro L7780 AiO (US version of L7580 AiO)*
- *Brother MFC-7820N and Brother MFC-9420CN*
- *Epson AcuLaser CX11NF (US version of LP-A500F)*

Test Documents

- *Monochrome: ISO/IEC 19752 “Standard” letter document, text with simple black graphics*
- *Color: “SpencerLab Newsletter” with mixed text, graphics, image*

Measure average number of prints-per-cartridge for each cartridge

- *Test highest capacity OEM ink/toner cartridges available*
 - HP Large Black, Cyan, Magenta and Yellow (88/XL) ink cartridges
 - Brother (TN-350); Brother Black (TN-04BK), Cyan (TN-04C), Magenta (TN-04M), and Yellow (TN-04Y) toner cartridges
 - Epson Black (0190), High Capacity Cyan (0189), Magenta (0188), and Yellow (0187) toner cartridges
- *Print in DEFAULT mode on plain paper via Adobe Reader 7.0.8*
- *Print semi-continuously to end-of-life on multiple cartridges to assure consistency*
 - Semi-continuously: stops for paper replenishment, overnight, etc.
 - End-of-life: earlier of INK/TONER OUT signal, or visible defects (fade) attributable to toner supply
- *Measure number of usable prints-per-cartridge*



Cost-per-Print — Methodology (cont'd)

Determine component Costs

Calculate average ink/toner component costs per print

◦ *Divide each cartridge cost by the corresponding cartridge yield (average prints-per-cartridge)*

Calculate user-replaceable component costs per print

◦ *Include user-replaceable components rated for less than the life of the printer*

- Brother MFC-7820N contains user-replaceable OPC Drum Cartridge
- Brother MFC-9420CN contains user-replaceable OPC Drum Cartridge, Fuser Unit, and Waste Toner Bottle
- Epson AcuLaser CX11NF contains user-replaceable Photoconductor Unit

◦ *Component contributions to total Cost-per-Print based upon manufacturer-rated yields*

LOCALIZED COMPONENTS COST		CYAN	MAGENTA	YELLOW	BLACK
<i>HP Officejet Pro L7580 AiO</i>	<i>Ink</i>	¥ 3,024	¥ 3,024	¥ 3,024	¥ 4,221
<i>Brother MFC-7820N</i>	<i>Toner</i>	—	—	—	¥ 7,875
	<i>OPC</i>	¥ 12,600			
<i>Brother MFC-9420CN</i>	<i>Toner</i>	¥ 20,790	¥ 20,790	¥ 20,790	¥ 21,000
	<i>Fuser Unit</i>	¥ 36,750			
	<i>OPC</i>	¥ 63,000			
	<i>Waste Toner</i>	¥ 1,260			
<i>Epson LP-A500F</i>	<i>Toner</i>	¥ 13,000	¥ 13,000	¥ 13,000	¥ 9,000
	<i>OPC</i>	¥ 33,500			

HP pricing provided by HP prior to commercial release; Other pricing (incl.VAT) per manufacturers' websites, as of April 2007

Calculate Cost-per-Print

Sum per-print component costs to obtain total Cost-per-Print for the test document

