



“Employees are costing UK businesses at least £40 million a year by printing personal documents at work”- Our Calculations

- 4,900,000 UK private businesses that employ 24,300,000 employees
(https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/254552/13-92-business-population-estimates-2013-stats-release-4.pdf)
 - Printing cost per businesses per employee annually = £370- £800 (mean £585)
(<http://www.printgreener.com/pdfs/GreenPrint%20White%20Paper%20September%2008.pdf>)
 - Average employees/business = $24300000 / 4900000 = 4.9591$
 - $4.951 \times £585 = £2901.12$ printing costs per business per year
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- Average sheets printed per employee/per day = 25 sheets
(http://www.kyoceradocumentsolutions.co.uk/index/kyocera_mita_environmental.-contextmargin-27202-File.cpsdownload.tmp/Environmental%20Findings%202011%20FINAL.pdf)
 - 253 working days in year = $253 \times 25 = 6325$ sheets/employee
 - 6325×5 (average employees per business) = 31,625 sheets per business per year
 - Average cost of a sheet = $£2901.12 / 31625 = £0.0917$ (9p)
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- 79% of employees admit to personal printing
(<http://www.microscope.co.uk/news/2240203821/Paperless-office-still-a-pipe-dream-OKI-finds>)
- $24300000 / 100 \times 79 = 19,197,000$ people who print personal docs
- 9% of these admit to doing it at least once a day
(<http://www.microscope.co.uk/news/2240203821/Paperless-office-still-a-pipe-dream-OKI-finds>)
- $19,197,000 / 100 \times 9 = 1,727,730$ people
- At least 1 sheet per day
- $253 \text{ working days} \times 1,727,730 = 437,115,690$ personal printed sheets in the UK each year

- Cost = $437,115,690 \times £0.0917 = £40,083,508.77$
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Infographic

- 437,115,690 personal UK docs
- Length of 1x A4 sheet = 29.7cm = 0.297 metres (<http://www.a4papersize.org/>)
- $0.297 \times 437,115,690 = 129823359.93$ metres = 80668.5 miles
- Distance around the world = 24,859.82 miles (<http://www.universetoday.com/66515/how-many-miles-around-the-earth/>)
- $80,668.5 / 24,859.82 = 3.24$
- 1 x sheet of A4 = 4.5 grams (<http://ansuz.sooke.bc.ca/entry/12>)
- $4.5 \times 437,115,690 = 1967020605$ grams = 1967020.6 kg
- Average weight of African elephant = 4309kg (<http://animals.nationalgeographic.com/animals/mammals/african-elephant/>)
- $1967020.6 / 4309 = 456$

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