

# Facitliste

## Vinter 2004–05

1. 1600; 400.
2.  $(1\ 3)(2\ 4\ 5\ 6\ 8)(7\ 9); 2^{25^1}; 10; 1; (2\ 8\ 6\ 5\ 4)$ .
3. 176.
4.  $1^2 4^1, 2^1 4^1$ .
5. 16.
6.  $C_{125} \times C_{31}, C_{25} \times C_5 \times C_{31}, C_5 \times C_5 \times C_5 \times C_{31}$ .
7.  $167^{12}$ .
8. —
9. —
10.  $f$  er reducibel i  $\mathbb{R}[X]$ .
11.  $f$  er irreducibel i  $\mathbb{Q}[X]$ .
12. #rødder = 10.
13. 700.
14. 430.
15.  $4^6 = 4096$ .