Name _____

Dividing Exponents

Divide each number by multiples of negative powers of ten.

1) $240 \div (8 \times 10^{0}) = 30$ $240 \div (8 \times 10^{-1}) = 300$ $240 \div (8 \times 10^{-2}) = 3000$ $240 \div (8 \times 10^{-3}) = 30000$ $240 \div (8 \times 10^{-4}) = 300000$	2) $390 \div (5 \times 10^{0}) = 78$ $390 \div (5 \times 10^{-1}) = 780$ $390 \div (5 \times 10^{-2}) = 7800$ $390 \div (5 \times 10^{-3}) = 78000$ $390 \div (5 \times 10^{-4}) = 780000$
3) $585 \div (3 \times 10^{0}) = 195$ $585 \div (3 \times 10^{-1}) = 1950$ $585 \div (3 \times 10^{-2}) = 19500$ $585 \div (3 \times 10^{-3}) = 195000$ $585 \div (3 \times 10^{-4}) = 1950000$	4) $301 \div (7 \times 10^{0}) = 43$ $301 \div (7 \times 10^{-1}) = 430$ $301 \div (7 \times 10^{-2}) = 4300$ $301 \div (7 \times 10^{-3}) = 43000$ $301 \div (7 \times 10^{-4}) = 430000$
5) $2100 \div (6 \times 10^{0}) = 350$ $2100 \div (6 \times 10^{-1}) = 3500$ $2100 \div (6 \times 10^{-2}) = 35000$ $2100 \div (6 \times 10^{-3}) = 350000$ $2100 \div (6 \times 10^{-4}) = 3500000$	6) $12 \div (4 \times 10^{0}) = 3$ $12 \div (4 \times 10^{-1}) = 30$ $12 \div (4 \times 10^{-2}) = 300$ $12 \div (4 \times 10^{-3}) = 3000$ $12 \div (4 \times 10^{-4}) = 30000$
7) $144 \div (12 \times 10^{0}) = 12$ $144 \div (12 \times 10^{-1}) = 120$ $144 \div (12 \times 10^{-2}) = 1200$ $144 \div (12 \times 10^{-3}) = 12000$ $144 \div (12 \times 10^{-4}) = 120000$	8) $1080 \div (9 \times 10^{0}) = 120$ $1080 \div (9 \times 10^{-1}) = 1200$ $1080 \div (9 \times 10^{-2}) = 12000$ $1080 \div (9 \times 10^{-3}) = 120000$ $1080 \div (9 \times 10^{-4}) = 1200000$