

1.5 Homework

Do NOT use a calculator

For each question;

(a) Write the answer as a single power

(b) Write your part (a) answer without any power.

(i) $2^3 \times 2^3$

(ii) $3^2 \times 3^2$

(a) _____

(a) _____

(b) _____

(b) _____

(iii) $5^2 \times 5$

(iv) $\frac{7^7}{7^5}$

(a) _____

(a) _____

(b) _____

(b) _____

(v) $10^4 \times 10^3$

(vi) $6 \times 6 \times 6$

(a) _____

(a) _____

(b) _____

(b) _____

(vii) $\frac{10^7}{10^3}$

(a) _____

(b) _____

(viii) $(2^3)^2$

(a) _____

(b) _____

(ix) $\frac{5 \times 5 \times 5 \times 5 \times 5}{5 \times 5 \times 5}$

(a) _____

(b) _____

(x) $(2^2)^5$

(a) _____

(b) _____

(xi) $\sqrt{10^6}$

(a) _____

(b) _____

(xii) $8^8 \div 8^6$

(a) _____

(b) _____

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Teachers may obtain detailed worked solutions to the exercises by email from mhh@shrewsbury.org.uk