

(15.) A Prussian pound = $16\frac{1}{2}$ oz.; an Austrian pound = $19\frac{1}{4}$ oz.; a kilogramme = $35\frac{1}{4}$ oz.

(16.) $3\frac{1}{2}$ miles.

LII.

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| (1.) $\sqrt[3]{a}$, $\sqrt[4]{a}$, $\sqrt[5]{a^2}$, $\sqrt{a^3}$. | (2.) $\frac{1}{x^3}$, $\frac{1}{x^5}$, $\frac{1}{x^{10}}$. |
| (3.) $\frac{1}{\sqrt[3]{m}}$, $\frac{1}{\sqrt{n^5}}$, $\frac{1}{\sqrt[4]{p^7}}$. | (4.) $2\sqrt[3]{a}$, $\frac{3}{x^2}$, $\frac{6}{\sqrt{m^3}}$. |
| (5.) $x^{\frac{1}{2}}$, $m^{\frac{1}{3}}$, $n^{\frac{1}{4}}$. | (6.) x^{-1} , a^{-2} , a^{-5} , a^{-8} . |
| (7.) $x^{\frac{2}{3}}$, $x^{\frac{3}{4}}$, $x^{\frac{4}{5}}$. | (8.) $x^{-\frac{1}{2}}$, $x^{-\frac{1}{3}}$, $x^{-\frac{1}{4}}$. |
| (9.) $2m^{-1}$, $3n^{-2}$, $10p^{-3}$. | (10.) $2x^{-\frac{1}{2}}$, $5x^{-\frac{1}{3}}$, $7x^{-\frac{1}{4}}$. |

LIII.

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| (1.) $6x^{n+1}$; $4x^{m+2}$; $4x^{3m}$. | (2.) $2x^{\frac{2}{3}}$; $6x^{\frac{5}{6}}$; $80x^{\frac{4}{3}}$. |
| (3.) $x^{\frac{2n+1}{2}}$; $6x^{\frac{3n}{2}}$; $w^{\frac{5n}{6}}$. | (4.) $2a$; $3a^{-1}$; $30a^{-1}$. |
| (5.) $a^{\frac{1}{2}}$; $2a^{-\frac{1}{3}}$; $a^{\frac{2}{3}}$. | (6.) $a^{\frac{2}{3}}$; $a^{\frac{n}{2}}$; $a^{\frac{5n}{3}}$. |
| (7.) 1 ; 1 ; 6 ; mn . | |

LIV.

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| (1.) a^m ; a^{2m} . | (2.) $a^{\frac{1}{2}}$; $a^{\frac{1}{3}}$. | (3.) $w^{\frac{1}{2}}$; x . |
| (4.) w^3 ; w^6 . | (5.) w ; w^2 . | (6.) w ; $w^{\frac{1}{2}}$. |
| (7.) w^3 ; $w^{\frac{3m}{2}}$. | | |

LV.

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| (1.) a^{12} ; a^3 ; a^9 . | (2.) a^{-2} ; a^{-4} ; a^{-12} . |
| (3.) a^{-6} ; a^6 ; a^{12} . | (4.) $a^{\frac{1}{2}}$; $a^{\frac{1}{3}}$; a^{10} . |
| (5.) a ; $a^{\frac{1}{2}}$; $a^{\frac{1}{3}}$. | (6.) $a^{\frac{1}{2}}$; $a^{\frac{1}{3}}$; $a^{\frac{1}{6}}$. |