

## Worksheet: Laws of Indices 1-3 (New Set)

### Questions

<b>1.</b> $a^5 \times a^2$	<b>2.</b> $b^6 \times b^3$	<b>3.</b> $c^7 \times c$
<b>4.</b> $3^4 \times 3^2$	<b>5.</b> $5^7 \times 5^{-3}$	<b>6.</b> $n^9 \div n^4$
<b>7.</b> $\frac{p^{12}}{p^5}$	<b>8.</b> $\frac{h^3}{h^6}$	<b>9.</b> $7^5 \div 7^3$
<b>10.</b> $\frac{4^5}{4^{-2}}$	<b>11.</b> $(x^3)^4$	<b>12.</b> $(y^6)^2$
<b>13.</b> $(w^{-2})^4$	<b>14.</b> $(6^3)^2$	<b>15.</b> $(5^{-2})^{-3}$
<b>16.</b> $z^3 \times z^4 \times z^2$	<b>17.</b> $\frac{x^{10}}{x^2 \times x^3}$	<b>18.</b> $(d^2)^4 \times d^3$
<b>19.</b> $\frac{(n^3)^5}{n^7}$	<b>20.</b> $4b^2 \times 2b^5$	<b>21.</b> $\frac{12y^8}{3y^2}$
<b>22.</b> $(3q^3)^2$	<b>23.</b> $\frac{(2m^{-3})^3}{m^2}$	<b>24.</b> $(3x^{-2})^2 \times (x^3)^{-1}$