**Odd One Out**

**Laws of Indices**

Simplify each of the expressions. Colour in the odd one out on each row.

|  |  |  |
| --- | --- | --- |
| $$y^{4}×y^{2}$$ | $$(y^{4})^{2}$$ | $$\frac{y^{10}}{y^{4}}$$ |
| $$(y^{6})^{2}$$ | $$y^{5}×y^{7}$$ | $$y^{7}÷y^{5}$$ |
| $$y^{0}$$ | $$y$$ | $$1$$ |
| $$y^{5}×y^{2}$$ | $$\frac{y^{7}}{y}$$ | $$y^{5}×y$$ |
| $$y^{5}×y^{3}×y^{2}$$ | $$\frac{y^{6}×y^{7}}{y^{3}}$$ | $$(y^{5})^{5}$$ |
| $$(y^{-2})^{3}$$ | $$y^{2}×y^{-3}$$ | $$\frac{y^{2}}{y^{8}}$$ |
| $$\frac{y^{8}×y^{-2}}{y^{3}}$$ | $$y^{-2}×y^{5}$$ | $$(y^{-1})^{3}$$ |
| $$y^{1}$$ | $$1$$ | $$y^{2}÷y$$ |
| $$y^{2}×(y^{4})^{3}$$ | $$\frac{y^{5}×y^{9}}{y}$$ | $$y^{7}×y^{2}×y^{4}$$ |
| $$\left(2x\right)^{3}×x^{4}$$ | $$8x^{5}×x^{2}$$ | $$x^{6}×2x$$ |