Match-Up

**Simplifying Expressions with Powers**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | $$6×a×a×a$$ |  | **6** | $$2a^{4}×6a$$ |  | **11** | $$\frac{6a×2ab}{b^{2}}$$ |
| **2** | $$2a×4a$$ |  | **7** | $$\frac{6a^{5}}{3a^{3}}$$ |  | **12** | $$3b^{2}×(2a)^{2}$$ |
| **3** | $$3a×4b$$ |  | **8** | $$(2a)^{3}$$ |  | **13** | $$\frac{2ab×4a^{2}b}{16ab^{2}}$$ |
| **4** | $$2ab×4ab$$ |  | **9** | $$(2a^{2}b)^{2}$$ |  | **14** | $$\frac{4a^{2}×6b^{2}}{(2b)^{3}}$$ |
| **5** | $$\frac{8a^{2}}{2a}$$ |  | **10** | $$\frac{12a^{5}}{3a^{2}}$$ |  | **15** | $$\frac{(2ab)^{4}×2b}{8a^{2}b^{2}}$$ |
|  |  |  |  |  |  |  |  |
| **A** | $$\frac{12a^{2}}{b}$$ |  | **F** | $$6a^{3}$$ |  | **K** | $$4a^{4}b^{2}$$ |
| **B** | $$4a$$ |  | **G** | $$4a^{3}$$ |  | **L** | $$12ab$$ |
| **C** | $$8a^{2}b^{2}$$ |  | **H** | $$\frac{3a^{2}}{b}$$ |  | **M** | $$8a^{2}$$ |
| **D** | $$12a^{2}b^{2}$$ |  | **I** | $$\frac{a^{2}}{2}$$ |  | **N** | $$2a^{2}$$ |
| **E** | $$8a^{3}$$ |  | **J** | $$12a^{5}$$ |  | **P** | $$4a^{2}b^{3}$$ |

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| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |