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| **Match-Up** | **Evaluating Sums of Natural Numbers** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | $$\sum\_{r=1}^{40}r$$ |  | **6** | $$\sum\_{r=1}^{30}10-r$$ |  | **11** | $$\sum\_{r=50}^{60}3r+2$$ |
| **2** | $$\sum\_{r=1}^{30}2r$$ |  | **7** | $$\sum\_{r=1}^{50}2(r-3)$$ |  | **12** | $$\sum\_{r=15}^{30}5-2r$$ |
| **3** | $$\sum\_{r=1}^{25}r+1$$ |  | **8** | $$\sum\_{r=10}^{40}r$$ |  | **13** | $$\sum\_{r=10}^{30}4r-1$$ |
| **4** | $$\sum\_{r=1}^{20}5r-1$$ |  | **9** | $$\sum\_{r=7}^{30}\frac{3}{2}r$$ |  | **14** | $$\sum\_{r=5}^{20}2-\frac{3}{2}r$$ |
| **5** | $$\sum\_{r=1}^{15}1+4r$$ |  | **10** | $$\sum\_{r=15}^{25}r+2$$ |  | **15** | $$\sum\_{r=12}^{40}5(2-r)$$ |
|  |  |  |  |  |  |  |  |
| **A** | $$350$$ |  | **F** | $$2250$$ |  | **K** | $$495$$ |
| **B** | $$775$$ |  | **G** | $$1659$$ |  | **L** | $$666$$ |
| **C** | $$-165$$ |  | **H** | $$1030$$ |  | **M** | $$-3480$$ |
| **D** | $$-640$$ |  | **I** | $$1837$$ |  | **N** | $$242$$ |
| **E** | $$820$$ |  | **J** | $$-268$$ |  | **P** | $$930$$ |

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