

反射テスト 暗算 小数の平方数と立法数 01

1. 次の計算をせよ. (*S* 級 35 秒, *A* 級 1 分, *B* 級 2 分, *C* 級 3 分)

(1) 1.5×1.5

(2) $0.2 \times 0.2 \times 0.2$

(3) 1.8×1.8

(4) 1.1×1.1

(5) $0.3 \times 0.3 \times 0.3$

(6) 1.6×1.6

(7) 1.3×1.3

(8) $0.5 \times 0.5 \times 0.5$

(9) 2.5×2.5

(10) 1.4×1.4

(11) $0.6 \times 0.6 \times 0.6$

(12) 1.2×1.2

(13) 1.7×1.7

(14) $0.4 \times 0.4 \times 0.4$

(15) 1.9×1.9

2. 次の計算をせよ. (*S* 級 35 秒, *A* 級 1 分, *B* 級 2 分, *C* 級 3 分)

(1) 1.3×1.3

(2) $0.5 \times 0.5 \times 0.5$

(3) 2.5×2.5

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(5) $0.6 \times 0.6 \times 0.6$

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(7) $0.4 \times 0.4 \times 0.4$

(8) 1.9×1.9

(9) 1.8×1.8

(10) 1.5×1.5

(11) 1.6×1.6

(12) $0.3 \times 0.3 \times 0.3$

(13) $0.2 \times 0.2 \times 0.2$

(14) 1.7×1.7

(15) 1.1×1.1

反射テスト 暗算 小数の平方数と立法数 01 解答解説

1. 次の計算をせよ. (*S* 級 35 秒, *A* 級 1 分, *B* 級 2 分, *C* 級 3 分)

☆平方数, 立方数を暗記していれば, あとは小数点の移動だけ気をつければよい.

$$\begin{aligned}(1) \quad & 1.5 \times 1.5 \\ & = \mathbf{2.25}\end{aligned}$$

$$\begin{aligned}(2) \quad & 0.2 \times 0.2 \times 0.2 \\ & = \mathbf{0.008}\end{aligned}$$

$$\begin{aligned}(3) \quad & 1.8 \times 1.8 \\ & = \mathbf{3.24}\end{aligned}$$

$$\begin{aligned}(4) \quad & 1.1 \times 1.1 \\ & = \mathbf{1.21}\end{aligned}$$

$$\begin{aligned}(5) \quad & 0.3 \times 0.3 \times 0.3 \\ & = \mathbf{0.027}\end{aligned}$$

$$\begin{aligned}(6) \quad & 1.6 \times 1.6 \\ & = \mathbf{2.56}\end{aligned}$$

$$\begin{aligned}(7) \quad & 1.3 \times 1.3 \\ & = \mathbf{1.69}\end{aligned}$$

$$\begin{aligned}(8) \quad & 0.5 \times 0.5 \times 0.5 \\ & = \mathbf{0.125}\end{aligned}$$

$$\begin{aligned}(9) \quad & 2.5 \times 2.5 \\ & = \mathbf{6.25}\end{aligned}$$

$$\begin{aligned}(10) \quad & 1.4 \times 1.4 \\ & = \mathbf{1.96}\end{aligned}$$

$$\begin{aligned}(11) \quad & 0.6 \times 0.6 \times 0.6 \\ & = \mathbf{0.216}\end{aligned}$$

$$\begin{aligned}(12) \quad & 1.2 \times 1.2 \\ & = \mathbf{1.44}\end{aligned}$$

$$\begin{aligned}(13) \quad & 1.7 \times 1.7 \\ & = \mathbf{2.89}\end{aligned}$$

$$\begin{aligned}(14) \quad & 0.4 \times 0.4 \times 0.4 \\ & = \mathbf{0.064}\end{aligned}$$

$$\begin{aligned}(15) \quad & 1.9 \times 1.9 \\ & = \mathbf{3.61}\end{aligned}$$

2. 次の計算をせよ. (*S* 級 35 秒, *A* 級 1 分, *B* 級 2 分, *C* 級 3 分)

$$\begin{aligned} (1) \quad & 1.3 \times 1.3 \\ & = \mathbf{1.69} \end{aligned}$$

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$$\begin{aligned} (11) \quad & 1.6 \times 1.6 \\ & = \mathbf{2.56} \end{aligned}$$

$$\begin{aligned} (12) \quad & 0.3 \times 0.3 \times 0.3 \\ & = \mathbf{0.027} \end{aligned}$$

$$\begin{aligned} (13) \quad & 0.2 \times 0.2 \times 0.2 \\ & = \mathbf{0.008} \end{aligned}$$

$$\begin{aligned} (14) \quad & 1.7 \times 1.7 \\ & = \mathbf{2.89} \end{aligned}$$

$$\begin{aligned} (15) \quad & 1.1 \times 1.1 \\ & = \mathbf{1.21} \end{aligned}$$