平方根＜分数混在＞　Ｎｏ．１の解答

1. 次の式を簡単にせよ。

(1) $3\sqrt{3} \div \left(-2\sqrt{8}\right) \times \sqrt{2}$

答． $-\dfrac{3\sqrt{3}}{4}$

(2) $\sqrt{5} \div 3\sqrt{5} \div \sqrt{2}$

答． $\dfrac{\sqrt{2}}{6}$

(3) $\sqrt{2} \div \sqrt{7} \div \left(-\sqrt{2}\right)$

答． $-\dfrac{\sqrt{7}}{7}$

(4) $-3\sqrt{5} \times 3\sqrt{3} \times \sqrt{2}$

答． $-9\sqrt{30}$

(5) $\sqrt{5} \div \sqrt{8} \div \left(-\sqrt{2}\right)$

答． $-\dfrac{\sqrt{5}}{4}$

(6) $\sqrt{2} \times \sqrt{7} \div \sqrt{3}$

答． $\dfrac{\sqrt{42}}{3}$

(7) $\sqrt{7} \times \left(-2\sqrt{8}\right) \div \sqrt{2}$

答． $-4\sqrt{7}$

(8) $-2\sqrt{3} \div \sqrt{3} \div \sqrt{2}$

答． $-\sqrt{2}$

(9) $\sqrt{8} \div \left(-\sqrt{2}\right) \times \left(-\sqrt{2}\right)$

答． $2\sqrt{2}$

(10) $2\sqrt{5} \times \left(-2\sqrt{6}\right) \times \sqrt{3}$

答． $-12\sqrt{10}$

平方根＜分数混在＞　Ｎｏ．２の解答

1. 次の式を簡単にせよ。

(1) $3\sqrt{3} \div 3\sqrt{7} \div \sqrt{2}$

答. $\dfrac{\sqrt{42}}{14}$

(2) $3\sqrt{2} \times \sqrt{7} \div \sqrt{3}$

答. $\sqrt{42}$

(3) $-3\sqrt{5} \times \sqrt{2} \times \sqrt{2}$

答. $-6\sqrt{5}$

(4) $-2\sqrt{3} \times \left(-3\sqrt{5}\right) \div \sqrt{3}$

答. $6\sqrt{5}$

(5) $\sqrt{6} \div \left(-\sqrt{3}\right) \div \left(-\sqrt{3}\right)$

答. $\dfrac{\sqrt{6}}{3}$

(6) $-\sqrt{3} \div \left(-2\sqrt{3}\right) \div \sqrt{2}$

答. $\dfrac{\sqrt{2}}{4}$

(7) $2\sqrt{6} \times \sqrt{2} \div \left(-\sqrt{3}\right)$

答. -4

(8) $\sqrt{5} \div \sqrt{5} \times \left(-\sqrt{3}\right)$

答. $-\sqrt{3}$

(9) $2\sqrt{6} \div \left(-\sqrt{3}\right) \div \left(-\sqrt{2}\right)$

答. 2

(10) $-\sqrt{5} \times 3\sqrt{7} \times \sqrt{2}$

答. $-3\sqrt{70}$

平方根＜分数混在＞　Ｎｏ．３の解答

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1. 次の式を簡単にせよ。

(1) $3\sqrt{2} \div \left(-3\sqrt{8}\right) \times \left(-\sqrt{2}\right)$

答． $\dfrac{\sqrt{2}}{2}$

(2) $\sqrt{3} \times \left(-2\sqrt{6}\right) \div \sqrt{2}$

答． -6

(3) $-\sqrt{8} \times \left(-3\sqrt{8}\right) \times \left(-\sqrt{3}\right)$

答． $-24\sqrt{3}$

(4) $-\sqrt{3} \div \left(-3\sqrt{8}\right) \times \sqrt{2}$

答． $\dfrac{\sqrt{3}}{6}$

(5) $\sqrt{6} \times \left(-3\sqrt{8}\right) \times \sqrt{3}$

答． -36

(6) $\sqrt{6} \times \left(-3\sqrt{5}\right) \times \left(-\sqrt{3}\right)$

答． $9\sqrt{10}$

(7) $2\sqrt{6} \times \left(-2\sqrt{2}\right) \div \left(-\sqrt{3}\right)$

答． 8

(8) $\sqrt{8} \div \left(-2\sqrt{5}\right) \div \left(-\sqrt{3}\right)$

答． $\dfrac{\sqrt{30}}{15}$

(9) $\sqrt{5} \times \sqrt{3} \div \left(-\sqrt{3}\right)$

答． $-\sqrt{5}$

(10) $-\sqrt{2} \times \sqrt{2} \div \left(-\sqrt{2}\right)$

答． $\sqrt{2}$

1. 次の式を簡単にせよ。

(1) $2\sqrt{5} \div \sqrt{3} \div \left(-\sqrt{3}\right)$

答. $-\dfrac{2\sqrt{5}}{3}$

(2) $-2\sqrt{8} \div \sqrt{3} \div \sqrt{2}$

答. $-\dfrac{4\sqrt{3}}{3}$

(3) $-3\sqrt{2} \times 2\sqrt{6} \div \sqrt{2}$

答. $-6\sqrt{6}$

(4) $\sqrt{6} \times 3\sqrt{7} \times \left(-\sqrt{3}\right)$

答. $-9\sqrt{14}$

(5) $2\sqrt{2} \times 3\sqrt{5} \div \left(-\sqrt{3}\right)$

答. $-2\sqrt{30}$

(6) $-\sqrt{3} \div 2\sqrt{3} \times \sqrt{3}$

答. $-\dfrac{\sqrt{3}}{2}$

(7) $\sqrt{8} \times \sqrt{8} \times \left(-\sqrt{2}\right)$

答. $-8\sqrt{2}$

(8) $-\sqrt{2} \div \sqrt{5} \div \sqrt{2}$

答. $-\dfrac{\sqrt{5}}{5}$

(9) $\sqrt{8} \times \left(-\sqrt{3}\right) \div \sqrt{3}$

答. $-2\sqrt{2}$

(10) $\sqrt{3} \times \left(-2\sqrt{6}\right) \div \sqrt{2}$

答. -6

1. 次の式を簡単にせよ。

(1) $-2\sqrt{2} \times 3\sqrt{2} \div \left(-\sqrt{3}\right)$

答. $4\sqrt{3}$

(2) $3\sqrt{7} \times \sqrt{3} \times \left(-\sqrt{3}\right)$

答. $-9\sqrt{7}$

(3) $\sqrt{2} \times \sqrt{2} \times \sqrt{2}$

答. $2\sqrt{2}$

(4) $\sqrt{7} \times \left(-3\sqrt{6}\right) \times \sqrt{3}$

答. $-9\sqrt{14}$

(5) $-2\sqrt{2} \times \sqrt{2} \times \left(-\sqrt{2}\right)$

答. $4\sqrt{2}$

(6) $3\sqrt{6} \div \left(-\sqrt{2}\right) \times \sqrt{3}$

答. -9

(7) $\sqrt{2} \times \left(-\sqrt{3}\right) \times \left(-\sqrt{2}\right)$

答. $2\sqrt{3}$

(8) $-3\sqrt{2} \div \sqrt{2} \div \sqrt{3}$

答. $-\sqrt{3}$

(9) $2\sqrt{3} \times 3\sqrt{2} \div \left(-\sqrt{3}\right)$

答. $-6\sqrt{2}$

(10) $\sqrt{8} \div \left(-3\sqrt{2}\right) \times \left(-\sqrt{3}\right)$

答. $\dfrac{2\sqrt{3}}{3}$