1 次の計算をしなさい。

① $8x \div 2$

② $6x \div 2$

③ $12x \div (-4)$

④ $15x \div (-3)$

⑤ $6x \div \frac{2}{3}$

⑥ $18x \div \frac{6}{7}$

⑦ $9x \div \left(-\frac{3}{4}\right)$

⑧ $8x \div \left(-\frac{4}{9}\right)$

⑨ $(8x+12) \div 4$

⑩ $(21x+14) \div 7$

⑪ $(24x-16) \div (-8)$

⑫ $(8x-12) \div (-2)$

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数学

1次式

1次式と数の除法

1 次の計算をしなさい。

① $8x \div 2$

$= \dfrac{\overset{4}{\cancel{8}}x}{\underset{1}{\cancel{2}}}$

$= 4x$

② $6x \div 2$

$= \dfrac{\overset{3}{\cancel{6}}x}{\underset{1}{\cancel{2}}}$

$= 3x$

③ $12x \div (-4)$

$= \dfrac{\overset{3}{\cancel{12}}x}{\underset{1}{\cancel{-4}}}$

$= -3x$

④ $15x \div (-3)$

$= \dfrac{\overset{5}{\cancel{15}}x}{\underset{1}{\cancel{-3}}}$

$= -5x$

⑤ $6x \div \dfrac{2}{3}$

$= \overset{3}{\cancel{6}}x \times \dfrac{3}{\underset{1}{\cancel{2}}}$

$= 9x$

⑥ $18x \div \dfrac{6}{7}$

$= \overset{3}{\cancel{18}}x \times \dfrac{7}{\underset{1}{\cancel{6}}}$

$= 21x$

⑦ $9x \div \left(-\dfrac{3}{4}\right)$

$= \overset{3}{\cancel{9}}x \times \left(-\dfrac{4}{\underset{1}{\cancel{3}}}\right)$

$= -12x$

⑧ $8x \div \left(-\dfrac{4}{9}\right)$

$= \overset{2}{\cancel{8}}x \times \left(-\dfrac{9}{\underset{1}{\cancel{4}}}\right)$

$= -18x$

⑨ $(8x+12) \div 4$

$= \dfrac{\overset{2}{\cancel{8}}x}{\underset{1}{\cancel{4}}} + \dfrac{\overset{3}{\cancel{12}}}{\underset{1}{\cancel{4}}}$

$= 2x+3$

⑩ $(21x+14) \div 7$

$= \dfrac{\overset{3}{\cancel{21}}x}{\underset{1}{\cancel{7}}} + \dfrac{\overset{2}{\cancel{14}}}{\underset{1}{\cancel{7}}}$

$= 3x+2$

⑪ $(24x-16) \div (-8)$

$= \dfrac{\overset{3}{\cancel{24}}x}{\underset{1}{\cancel{-8}}} + \dfrac{\overset{2}{\cancel{-16}}}{\underset{1}{\cancel{-8}}}$

$= -3x+2$

⑫ $(8x-12) \div (-2)$

$= \dfrac{\overset{4}{\cancel{8}}x}{\underset{1}{\cancel{-2}}} + \dfrac{\overset{6}{\cancel{-12}}}{\underset{1}{\cancel{-2}}}$

$= -4x+6$

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