

Curriculum Outcome

N1: Demonstrate an understanding of rational numbers by: comparing and ordering rational numbers; solving problems that involve arithmetic operations on rational numbers.

Student Friendly:
"Dividing fractions and decimals "

Grade 9

Warm Up

Find the Quotient

Show work

$$\frac{3}{5} \div \frac{-7}{15} \quad | \quad \frac{-4}{27} \div \frac{-2}{3}$$

3) $10.4 \div -5.2$





Grade 9

Warm Up

Find the Quotient
Show work

$$\frac{3}{5} \div \frac{-7}{15}$$

$$\frac{3}{5} \times \frac{\cancel{15}^{-3}}{7}$$

$$\frac{3}{1} \times \frac{-3}{7}$$

$$= \frac{-9}{7}$$

$$= -1\frac{2}{7}$$

$$\frac{-4}{27} \div \frac{-2}{3}$$

$$\frac{\cancel{-4}^{-2}}{27} \times \frac{\cancel{-3}^{-1}}{2}$$

$$\frac{-2}{9} \times \frac{-1}{1}$$

$$= \frac{2}{9}$$

$$3) 10.4 \div (-5.2)$$
$$= -2$$

Determine the missing number in the division statement.

Missing Dividend

Copy down

$$(\quad) \div 4 = 3$$

To Solve for Missing Dividend
take **Divisor** X **Quotient**

$$(\quad) = 3 \times 4$$

$$(\quad) = 12$$

Check work

$$12 \div 4 = 3 \quad \checkmark$$

$$\boxed{12} \div 3 = 4$$

$$\boxed{12} = 3 \times 4$$

You Try

A) $\boxed{(\quad)} \div \left(\frac{5}{11}\right) = \frac{3}{7}$

$$(\quad) = \frac{3}{7} \times \frac{5}{11}$$

$$(\quad) = \frac{15}{77}$$

B) $\underline{\quad} \div 12.6 = 4.2$

$$\underline{\quad} = 4.2 \times 12.6$$

$$\underline{\quad} = 52.92$$

Determine the missing number in the division statement.

Copy Down

Missing Divisor

$$15 \div (\quad) = -5$$

To solve for missing Divisor

take **Dividend** \div **Quotient**

$$15 \div (\quad) = -5$$

$$15 \div (-5) = -3$$



$$12 \div \boxed{3} = 4$$

$$x = 12 \div 4$$

You Try

$$1) \quad -2.5 \div \underline{x} = 5$$

$$x = -2.5 \div 5$$

$$x = -0.5$$

$$2) \quad \left(\frac{-4}{7}\right) \div (x) = \frac{5}{8}$$

$$x = \frac{-4}{7} \div \frac{5}{8}$$

$$x = \frac{-4}{7} \times \frac{8}{5}$$

$$x = \frac{-32}{35}$$

Check Work

BEDMAS

$$5 + (-3)^2 - (7) \times (-8)$$

$$5 + (9) - 7 \times (-8)$$

$$5 + 9 + (+56)$$

$$14 + 56$$

$$= 70$$

$$(12 \times (-2) + 6)^2 \div (23 + 7 \times (-5))$$

$$\begin{aligned} & (12 \times (-2) + 6)^2 \div (23 + 7 \times (-5)) \\ & (\underline{-24} + 6)^2 \div (23 + \underline{-35}) \\ & (\underline{-18})^2 \div (\underline{-12}) \\ & 324 \div (-12) \\ & = -27 \end{aligned}$$

Class / Homework

Practice Problems

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last night

- 3ace
- 4
- 8
- 9 a, c, e

tonight

- 11a
- 12bdf
- 17 a, c, d
- 18 a

Fraction Rap



Write out the questions and then show all work to get to the answer.