

P. 129 Multiplying Rationals Sept 21

24.

$$\left(-\frac{2}{5}\right)^2$$

$$= \left(-\frac{2}{5}\right)\left(-\frac{2}{5}\right)$$

$$= \frac{4}{25}$$

$$25 - \left(\frac{1}{2}\right)^4$$

$$= -\left(\frac{1}{2}\right)\left(\frac{1}{2}\right)\left(\frac{1}{2}\right)\left(\frac{1}{2}\right)$$

$$= -\frac{1}{16}$$

$$30.(\cancel{\$} 0.90)(400)$$

$$= \cancel{\$} 360$$

∴ the value of the stock
went down $\cancel{\$} 360$.
therefore

p132
25.

Dividing Rational

$$\frac{2}{1} \div \frac{2}{7}$$

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

$$\begin{array}{r} 11 \\ 2 \overline{)14} \\ \underline{14} \\ 0 \end{array}$$

db

$$-\frac{7}{8} \div \left(-\frac{1}{4}\right)$$

$$= -\frac{7}{8} \times -\frac{4}{1}$$

$$= \frac{28}{8}$$

$$= \frac{14}{4} \Rightarrow 7\frac{1}{2}$$

P. 137 Adding + Subtracting Rationals

$$4. \quad 1\frac{1}{3} + 2\frac{3}{4}$$

$$= \frac{4 \times 4}{3 \times 4} + \frac{1 \times 3}{4 \times 3}$$

need a common denominator

$$= \frac{16}{12} + \frac{3}{12} \rightarrow = \frac{19}{12}$$

5. $-\frac{1}{2} + \frac{1}{38}$

$= -\frac{3 \times 4}{2 \times 4} + \frac{25}{8}$

$= -\frac{12}{8} + \frac{25}{8}$

$= \frac{13}{8}$

7, 20

26, 32, 37

p. 138

p. 141 BEDMAS

Brackets

Exponents

Division

Multiplication

Adding

Subtraction

Order of Operations

Example:

$$(a) 18 + 6 \div 2$$

$$= 18 + 3$$

$$= 21$$

$$4. \frac{(18+6)}{(5+1)} - 4 \quad \checkmark$$

5, 6, 11, 12

$$= \frac{24}{6} - 4 \quad \checkmark$$

$$= 4 - 4 \quad \checkmark$$

$$= 0 \quad \checkmark$$

Homework

p. 21-23, 26, 31, 34, 35

p. 132-32, 33, 34, 35, 39, 42

p. 137-6. 8, 9, 13, 24, 25

p. 138-27, 29, 36, 38, 39, 41, 42

p. 141-7, 8, 9, 10, 13, 16