

Name: Answer Key Date: _____

DECIMALS REVIEW

ADD:

$$3.68 + 0.94$$

$$\begin{array}{r} 3.68 \\ + 0.94 \\ \hline 4.62 \end{array}$$

$$12.8 + 4.41$$

$$\begin{array}{r} 12.80 \\ + 4.41 \\ \hline 17.21 \end{array}$$

$$24.24 + 5.29$$

$$\begin{array}{r} 24.24 \\ + 5.29 \\ \hline 29.53 \end{array}$$

$$59.3 + 21.512$$

$$\begin{array}{r} 59.300 \\ + 21.512 \\ \hline 80.812 \end{array}$$

$$14.99 + 21.312$$

$$\begin{array}{r} 14.990 \\ + 21.312 \\ \hline 36.302 \end{array}$$

$$\$7.25 + \$19.99$$

$$\begin{array}{r} \$19.99 \\ + \$7.25 \\ \hline \$27.24 \end{array}$$

$$106.7 + 0.205$$

$$\begin{array}{r} 106.700 \\ + 0.205 \\ \hline 106.905 \end{array}$$

$$25.8 + 19.5$$

$$\begin{array}{r} 25.8 \\ + 19.5 \\ \hline 45.3 \end{array}$$

$$\$15.60 + \$25.06$$

$$\begin{array}{r} \$15.60 \\ + \$25.06 \\ \hline \$40.66 \end{array}$$

SUBTRACT:

$$8.762 - 0.381$$

$$\begin{array}{r} 8.762 \\ - 0.381 \\ \hline 8.381 \end{array}$$

$$9.4 - 5.73$$

$$\begin{array}{r} 9.40 \\ - 5.73 \\ \hline 3.67 \end{array}$$

$$52.52 - 25.25$$

$$\begin{array}{r} 52.52 \\ - 25.25 \\ \hline 27.27 \end{array}$$

$$17.001 - 5.5$$

$$\begin{array}{r} 17.001 \\ - 5.500 \\ \hline 11.501 \end{array}$$

$$\$40.00 - \$26.83$$

$$\begin{array}{r} \$40.00 \\ - \$26.83 \\ \hline \$13.17 \end{array}$$

$$15.72 - 8.406$$

$$\begin{array}{r} 15.720 \\ - 8.406 \\ \hline 7.314 \end{array}$$

$$273.85 - 78.31$$

$$\begin{array}{r} 273.85 \\ - 78.31 \\ \hline 195.54 \end{array}$$

$$46 - 0.23$$

$$\begin{array}{r} 46.00 \\ - 0.23 \\ \hline 45.77 \end{array}$$

$$32.08 - 7.68$$

$$\begin{array}{r} 32.08 \\ - 7.68 \\ \hline 24.40 \end{array}$$

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DECIMALS REVIEW

MULTIPLY:

$$3.2 \times 5.1$$

$$\begin{array}{r} 3.2 \\ \times 5.1 \\ \hline 32 \\ +160 \\ \hline (16.32) \end{array}$$

$$0.05 \times 9$$

$$\begin{array}{r} 0.05 \\ \times 9 \\ \hline (0.45) \end{array}$$

$$3.1 \times 0.3$$

$$\begin{array}{r} 3.1 \\ \times 0.3 \\ \hline (0.93) \end{array}$$

$$0.6 \times 0.009$$

$$\begin{array}{r} 0.6 \\ \times 0.009 \\ \hline (0.0054) \end{array}$$

$$2.139 \times 7.2$$

$$\begin{array}{r} 2.139 \\ \times 7.2 \\ \hline 4278 \\ +14973 \\ \hline (15.4008) \end{array}$$

$$34.24 \times 6.6$$

$$\begin{array}{r} 34.24 \\ \times 6.6 \\ \hline 20544 \\ +20544 \\ \hline (225.984) \end{array}$$

$$38.175 \times 1.2$$

$$\begin{array}{r} 38.175 \\ \times 1.2 \\ \hline 76350 \\ +38175 \\ \hline (45.8100) \end{array}$$

$$0.61 \times 4.8$$

$$\begin{array}{r} 0.61 \\ \times 4.8 \\ \hline 488 \\ +244 \\ \hline (2.928) \end{array}$$

$$\$180.00 \times 0.35$$

$$\begin{array}{r} \$180 \\ \times 0.35 \\ \hline 900 \\ +540 \\ \hline (\$63.00) \end{array}$$

DIVIDE:

$$6.52 / 4$$

$$\begin{array}{r} 1.63 \\ 4 \overline{)6.52} \\ \underline{-4} \\ 25 \\ \underline{-24} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

$$0.088 / 8$$

$$\begin{array}{r} 0.011 \\ 8 \overline{)0.088} \\ \underline{-8} \\ 08 \\ \underline{-8} \\ 0 \end{array}$$

$$51 / 0.3$$

$$0.3 \overline{)510} \rightarrow 3 \overline{)510} \quad (170)$$

$$\begin{array}{r} 170 \\ 3 \overline{)510} \\ \underline{-3} \\ 21 \\ \underline{-21} \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

$$19.05 / 0.05$$

$$0.05 \overline{)19.05} \rightarrow 5 \overline{)1905} \quad (381)$$

$$\begin{array}{r} 381 \\ 5 \overline{)1905} \\ \underline{-15} \\ 40 \\ \underline{-40} \\ 05 \\ \underline{-5} \\ 0 \end{array}$$

$$7.35 / 2.1$$

$$2.1 \overline{)7.35} \rightarrow 21 \overline{)735} \quad (3.5)$$

$$\begin{array}{r} 3.5 \\ 21 \overline{)735} \\ \underline{-63} \\ 105 \\ \underline{-105} \\ 0 \end{array}$$

$$73.78 / 1.4$$

$$1.4 \overline{)73.78} \rightarrow 14 \overline{)7378} \quad (52.7)$$

$$\begin{array}{r} 52.7 \\ 14 \overline{)7378} \\ \underline{-70} \\ 37 \\ \underline{-28} \\ 98 \\ \underline{-98} \\ 0 \end{array}$$

$$1.6932 / 2$$

$$\begin{array}{r} 0.8466 \\ 2 \overline{)1.6932} \\ \underline{-16} \\ 09 \\ \underline{-8} \\ 13 \\ \underline{-12} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

$$2.05 / 0.5$$

$$0.5 \overline{)2.05} \rightarrow 5 \overline{)205} \quad (4.1)$$

$$\begin{array}{r} 4.1 \\ 5 \overline{)205} \\ \underline{-20} \\ 05 \\ \underline{-5} \\ 0 \end{array}$$

$$\$12.89 / 4$$

$$4 \overline{)12.8900} \rightarrow \$3.22$$

$$\begin{array}{r} 3.2225 \\ 4 \overline{)12.8900} \\ \underline{-12} \\ 08 \\ \underline{-8} \\ 09 \\ \underline{-8} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

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DECIMAL WORD PROBLEMS REVIEW

Show all work and steps necessary to solve each problem below.

- 1.) The art department needs craft supplies. They bought beads for \$12.75, ribbon for \$4.50, felt for \$0.99, and leather cord for \$6.35. How much money did they spend altogether on craft supplies? If they would like to pay with \$30.00, how much change will they receive back?

$$\begin{array}{r}
 \$12.75 \\
 \$4.50 \\
 \$0.99 \\
 + \$6.35 \\
 \hline
 \$24.59
 \end{array}$$

Spent altogether

$$\begin{array}{r}
 \$30.00 \\
 - \$24.59 \\
 \hline
 \$5.41
 \end{array}$$

change received

- 2.) You have \$98 in your savings account. You withdraw \$5.50 and deposit \$22.75. What is the new balance in your account?

$$\begin{array}{r}
 \$98.00 \\
 - 5.50 \\
 \hline
 \$92.50
 \end{array}$$

$$\begin{array}{r}
 \$92.50 \\
 + 22.75 \\
 \hline
 \$115.25
 \end{array}$$

New Balance

- 3.) Mrs. Streit bought twenty-four folders for her students. The folders cost \$0.79 each. What was the cost of Mrs. Streit's folders? If there is 8% sales tax on the folders, multiply your answer by 0.08 to find the sales tax. What is the total cost, including tax, of the folders?

$$\begin{array}{r}
 \$0.79 \\
 \times 24 \\
 \hline
 316 \\
 + 158 \\
 \hline
 \$18.96
 \end{array}$$

cost

$$\begin{array}{r}
 \$18.96 \\
 \times 0.08 \\
 \hline
 \$1.5168 \rightarrow \$1.52
 \end{array}$$

tax

$$\begin{array}{r}
 \$18.96 \\
 + \$1.52 \\
 \hline
 \$20.48
 \end{array}$$

total cost

- 4.) A dozen eggs cost \$1.29. Find the cost of one egg. If a recipe for brownies calls for four eggs, how much will the eggs used in the recipe cost?

$$\begin{array}{r}
 \$1.29 \\
 \div 12 \\
 \hline
 0.1075
 \end{array}$$

\$0.11 cost per egg

$$\begin{array}{r}
 \$0.11 \\
 \times 4 \\
 \hline
 \$0.44
 \end{array}$$

cost for eggs in brownies

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DECIMAL WORD PROBLEMS REVIEW

Show all work and steps necessary to solve each problem below.

5.) In the three days after Jimmy Carter was elected President of the United States, the Dow Jones stock average had the following daily changes: Wednesday, -9.56 points; Thursday, +3.91 points; Friday, -17.37 points. What was the net change for the three days?

$$\begin{array}{r} (-9.56) \text{ Wed.} \\ + (-17.37) \text{ Fri.} \\ \hline -26.93 \end{array} \quad \begin{array}{r} -26.93 \\ + 3.91 \text{ Thurs.} \\ \hline -23.02 \text{ net change} \end{array}$$

6.) One sheet of paper is 0.0075 centimeters thick. How many sheets are there in a stack 2.7 centimeters high? If a ream of paper holds 500 sheets of paper, how tall is a ream of paper?

$$0.0075 \overline{) 27.000} \rightarrow 75 \overline{) 27,000} \rightarrow 360 \text{ sheets}$$

$$\begin{array}{r} 500 \\ \times 0.0075 \\ \hline 2500 \\ + 3500 \\ \hline 3.7500 \text{ cm high} \end{array}$$

7.) A taxicab company charges \$1.75 for the first mile and \$1.25 for each mile after that. How much would a ten-mile ride cost? If the rider only has a twenty dollar bill to pay with, how much change will he receive?

$$\begin{array}{r} \$1.25 \\ \times 9 \\ \hline \$11.25 \end{array} \quad \begin{array}{r} \$11.25 \\ + \$1.75 \\ \hline \$13.00 \text{ change for} \\ \text{10-mile ride} \end{array} \quad \begin{array}{r} \$20.00 \\ - \$13.00 \\ \hline \$7.00 \text{ change} \end{array}$$

8.) Mike wants to buy a bike that costs \$210.95. He plans to make a down payment of \$75.00. He will pay the rest of the cost in five equal payments over the next five months. How much will each payment be?

$$\begin{array}{r} \$210.95 \\ - 75.00 \\ \hline \$135.95 \end{array} \quad \begin{array}{r} \$27.19 \text{ cost of each} \\ \text{payment} \\ 5 \overline{) 135.95} \\ \underline{-10} \\ 35 \\ \underline{-35} \\ 09 \\ \underline{-5} \\ 45 \\ \underline{-45} \\ 0 \end{array}$$

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FRACTIONS REVIEW

ADD:

$$\frac{14}{15} + \frac{11}{15} = \frac{25}{15} = 1\frac{10}{15}$$
$$\textcircled{1\frac{2}{3}}$$

$$\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = \textcircled{1\frac{1}{5}}$$

$$\frac{5}{9} + \frac{7}{12}$$
$$\frac{20}{36} + \frac{21}{36} = \frac{41}{36} = \textcircled{1\frac{5}{36}}$$

$$\frac{1}{6} + \frac{7}{10}$$
$$\frac{5}{30} + \frac{21}{30} = \frac{26}{30} = \textcircled{\frac{13}{15}}$$

$$\frac{1}{3} + \frac{3}{4}$$
$$\frac{4}{12} + \frac{9}{12} = \frac{13}{12} = \textcircled{1\frac{1}{12}}$$

$$\frac{7}{8} + \frac{3}{20}$$
$$\frac{35}{40} + \frac{6}{40} = \frac{41}{40} = \textcircled{1\frac{1}{40}}$$

$$1\frac{1}{4} + 3\frac{2}{3}$$
$$1\frac{3}{12} + 3\frac{8}{12} = \textcircled{4\frac{11}{12}}$$

$$4\frac{3}{8} + 1\frac{1}{2}$$
$$4\frac{3}{8} + 1\frac{4}{8} = \textcircled{5\frac{7}{8}}$$

$$10\frac{6}{7} + 2\frac{6}{14}$$
$$10\frac{12}{14} + 2\frac{6}{14} = 12\frac{18}{14} = 13\frac{4}{14}$$
$$\textcircled{13\frac{2}{7}}$$

$$1\frac{2}{5} + 3\frac{4}{5}$$
$$1\frac{2}{5} + 3\frac{4}{5} = 4\frac{6}{5} = \textcircled{5\frac{1}{5}}$$

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FRACTIONS REVIEW

SUBTRACT:

$$\frac{6}{7} - \frac{4}{7} = \left(\frac{2}{7}\right)$$

$$\frac{11}{12} - \frac{5}{12} = \frac{6}{12} = \left(\frac{1}{2}\right)$$

$$\frac{7}{8} - \frac{1}{2}$$

$$\frac{7}{8} - \frac{4}{8} = \left(\frac{3}{8}\right)$$

$$\frac{15}{16} - \frac{5}{24}$$

$$\frac{45}{48} - \frac{10}{48} = \left(\frac{35}{48}\right)$$

$$\frac{5}{14} - \frac{1}{4}$$

$$\frac{10}{28} - \frac{7}{28} = \left(\frac{3}{28}\right)$$

$$\frac{1}{3} - \frac{5}{18}$$

$$\frac{6}{18} - \frac{5}{18} = \left(\frac{1}{18}\right)$$

$$4\frac{1}{4} - 3\frac{1}{2}$$

$$3\frac{5}{4} - 3\frac{2}{4} = \left(\frac{3}{4}\right)$$

$$8 - 2\frac{4}{5}$$

$$7\frac{5}{5} - 2\frac{4}{5} = \left(5\frac{1}{5}\right)$$

$$7\frac{4}{9} - 2\frac{5}{9}$$

$$6\frac{13}{9} - 2\frac{5}{9} = \left(4\frac{8}{9}\right)$$

$$3\frac{7}{8} - 1\frac{1}{2}$$

$$3\frac{7}{8} - 1\frac{4}{8} = \left(2\frac{3}{8}\right)$$

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FRACTIONS REVIEW

MULTIPLY:

$$\frac{1}{2} \times \frac{4}{5} = \frac{4}{10} = \left(\frac{2}{5}\right)$$

$$\frac{3}{5} \times 20$$

$$\frac{3}{5} \times \frac{20}{1} = \frac{60}{5} = (12)$$

$$\frac{3}{8} \times \frac{3}{4} = \left(\frac{9}{32}\right)$$

$$\frac{7}{10} \times \frac{4}{7} = \frac{28}{70} = \frac{4}{10} = \left(\frac{2}{5}\right)$$

$$\frac{1}{4} \times 6\frac{1}{2}$$

$$\frac{1}{4} \times \frac{13}{2} = \frac{13}{8} = \left(1\frac{5}{8}\right)$$

$$2\frac{2}{3} \times 2\frac{3}{8}$$

$$\frac{8}{3} \times \frac{19}{8} = \frac{152}{24} = \frac{19}{3} = \left(6\frac{1}{3}\right)$$

$$1\frac{1}{10} \times 5$$

$$\frac{11}{10} \times \frac{5}{1} = \frac{55}{10} = 5\frac{5}{10} = \left(5\frac{1}{2}\right)$$

$$3\frac{3}{10} \times 2\frac{2}{3}$$

$$\frac{33}{10} \times \frac{8}{3} = \frac{264}{30} = \frac{44}{5} = \left(8\frac{4}{5}\right)$$

$$5\frac{1}{4} \times 4\frac{2}{3}$$

$$\frac{21}{4} \times \frac{14}{3} = \frac{294}{12} = \frac{49}{2} = \left(24\frac{1}{2}\right)$$

$$10 \times 3\frac{2}{5}$$

$$\frac{10}{1} \times \frac{17}{5} = \frac{170}{5} = (34)$$

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FRACTIONS REVIEW

DIVIDE:

$$\frac{1}{2} \div \frac{2}{3} = \frac{3}{4}$$

$$\frac{2}{5} \div \frac{4}{5} = \frac{10}{20} = \frac{1}{2}$$

$$9 \div \frac{1}{3} = \frac{9}{1} \times \frac{3}{1} = 27$$

$$12 \div \frac{3}{4} = \frac{12}{1} \times \frac{4}{3} = \frac{48}{3} = 16$$

$$4\frac{2}{9} \div \frac{1}{3} = \frac{38}{9} \times \frac{3}{1} = \frac{114}{9} = \frac{38}{3} = 12\frac{2}{3}$$

$$3\frac{5}{8} \div 4\frac{3}{4} = \frac{29}{8} \div \frac{19}{4} \rightsquigarrow \frac{29}{8} \times \frac{4}{19} = \frac{116}{152} \div 4 = \frac{29}{38}$$

$$1\frac{1}{8} \div 2\frac{1}{6} = \frac{9}{8} \div \frac{13}{6} = \frac{9}{8} \times \frac{6}{13} = \frac{54}{104} = \frac{27}{52}$$

$$5 \div 2\frac{1}{2} = \frac{5}{1} \div \frac{5}{2} = \frac{5}{1} \times \frac{2}{5} = \frac{10}{5} = 2$$

$$6 \div 2\frac{2}{5} = \frac{6}{1} \div \frac{12}{5} = \frac{6}{1} \times \frac{5}{12} = \frac{30}{12} = 2\frac{6}{12} = 2\frac{1}{2}$$

$$10\frac{3}{4} \div 2\frac{1}{4} = \frac{43}{4} \div \frac{9}{4} = \frac{43}{4} \times \frac{4}{9} = \frac{172}{36} = \frac{43}{9} = 4\frac{7}{9}$$

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FRACTION WORD PROBLEMS REVIEW

- 1.) Cassie had $\frac{3}{5}$ liter of salt solution. She used one-tenth liter for an experiment in science class. How many liters of solution did she have left?

$$\frac{3}{5} - \frac{1}{10} = \frac{6}{10} - \frac{1}{10} = \frac{5}{10} = \left(\frac{1}{2}\right) \text{ liters}$$

- 2.) At least $\frac{3}{4}$ of the twenty questions on a test must be answered correctly to pass. How many questions will Brad need to answer correctly to pass?

$$\frac{3}{4} \times 20 = \frac{3}{4} \times \frac{20}{1} = \frac{60}{4} = \left(15\right) \text{ questions}$$

- 3.) Sandy has 24 yards of ribbon to use for bows. Each bow requires $\frac{3}{4}$ yard of ribbon. How many bows can she make? How much material will be left over?

$$24 \div \frac{3}{4} = \frac{24}{1} \times \frac{4}{3} = \frac{96}{3} = \left(32\right) \text{ bows can be made; no material left over}$$

- 4.) The length of a rectangular pool is $8\frac{1}{4}$ feet. The area of the pool is $16\frac{1}{2}$ square feet. What is the width of the pool in feet?

$$\text{Area} = \text{Length} \times \text{Width}$$

$$16\frac{1}{2} \div 8\frac{1}{4} = \text{Width}$$

$$\frac{33}{2} \div \frac{33}{4} = \frac{33}{2} \times \frac{4}{33} = \frac{132}{66} = \left(2\right) \text{ feet wide}$$

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FRACTION WORD PROBLEMS REVIEW

- 5.) A recipe for cookie dough calls for $3\frac{2}{3}$ cups of flour. Jane only has $1\frac{3}{4}$ cups of flour. How many more cups of flour does Jane need to make the cookie dough?

$$3\frac{2}{3} - 1\frac{3}{4}$$

$$3\frac{8}{12} - 1\frac{9}{12}$$

$$2\frac{20}{12} - 1\frac{9}{12} = \textcircled{1\frac{11}{12} \text{ cups of flour are needed}}$$

- 6.) Sarah needs to take 32 pictures for a photography class. Three fourths of the pictures must be taken outdoors. How many pictures is that?

$$32 \times \frac{3}{4}$$

$$\frac{32}{1} \times \frac{3}{4} = \frac{96}{4} = \textcircled{24 \text{ pictures}}$$

- 7.) Find the area of a rectangular piece of paper that measures $8\frac{1}{2}$ inches by 11 inches.

$$\text{Area} = \text{Length} \times \text{Width}$$

$$\text{Area} = 8\frac{1}{2} \times 11$$

$$\frac{17}{2} \times \frac{11}{1} = \frac{187}{2} = \textcircled{93\frac{1}{2} \text{ square inches}}$$

- 8.) A board eight feet long is cut into pieces that measure $\frac{3}{5}$ foot long. How many pieces can be cut from the board? How much wood from the board will be left over?

$$8 \div \frac{3}{5}$$

$$\frac{8}{1} \times \frac{5}{3} = \frac{40}{3} = 13\frac{1}{3}$$

$\textcircled{13 \text{ pieces can be cut}}$

$$\frac{3}{5} \times 13$$

$$\frac{3}{5} \times \frac{13}{1} = \frac{39}{5} = 7\frac{4}{5}$$

$$8 - 7\frac{4}{5} = \textcircled{\frac{1}{5} \text{ foot left over}}$$

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INTEGERS REVIEW

ADD:

$$4 + (-11) = \textcircled{-7}$$

$$(-3) + (-3) = \textcircled{-6}$$

$$6 + (-9) = \textcircled{-3}$$

$$(-8) + 8 = \textcircled{0}$$

$$(-9) + (-4) = \textcircled{-13}$$

$$(-12) + 17 = \textcircled{5}$$

$$(-22) + (-14) = \textcircled{-36}$$

$$(-29) + 33 = \textcircled{4}$$

$$42 + (-49) = \textcircled{-7}$$

$$\begin{aligned} (-9) + (-7) + 5 &= \\ (-16) + 5 &= \textcircled{-11} \end{aligned}$$

$$\begin{aligned} 14 + (-6) + (-2) &= \\ 8 + (-2) &= \textcircled{6} \end{aligned}$$

$$\begin{aligned} 4 + (-7) + 5 &= \\ (-3) + 5 &= \textcircled{2} \end{aligned}$$

SUBTRACT:

$$\begin{aligned} 5 - (-7) &= \\ 5 + +7 &= \textcircled{12} \end{aligned}$$

$$\begin{aligned} (-6) - 9 &= \\ (-6) + (-9) &= \textcircled{-15} \end{aligned}$$

$$\begin{aligned} (-4) - (-10) &= \\ (-4) + +10 &= \textcircled{6} \end{aligned}$$

$$\begin{aligned} 19 - 24 &= \\ 19 + (-24) &= \textcircled{-5} \end{aligned}$$

$$\begin{aligned} (-36) - (-14) &= \\ (-36) + (+14) &= \textcircled{-22} \end{aligned}$$

$$\begin{aligned} (-25) - 41 &= \\ (-25) + (-41) &= \textcircled{-66} \end{aligned}$$

$$\begin{aligned} (-7) - (-18) &= \\ (-7) + +18 &= \textcircled{11} \end{aligned}$$

$$\begin{aligned} 23 - (-15) &= \\ 23 + +15 &= \textcircled{38} \end{aligned}$$

$$\begin{aligned} (-16) - (-1) &= \\ (-16) + +1 &= \textcircled{-15} \end{aligned}$$

$$\begin{aligned} (-10) - (-3) - 4 &= \\ (-10) + +3 - 4 &= \\ (-7) - 4 &= \\ (-7) + (-4) &= \textcircled{-11} \end{aligned}$$

$$\begin{aligned} 13 - (-6) - 12 &= \\ 13 + +6 - 12 &= \\ 19 - 12 &= \textcircled{7} \end{aligned}$$

$$\begin{aligned} (-18) - 11 - (-2) &= \\ (-18) + (-11) - (-2) &= \\ (-29) - (-2) &= \\ (-29) + +2 &= \textcircled{-27} \end{aligned}$$

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INTEGERS REVIEW

MULTIPLY:

$$(-4) \times 6 = (-24)$$

$$(-5) \times (-7) = (+35)$$

$$12 \times (-7) = (-84)$$

$$(-8) \times (-11) = (+88)$$

$$(-13) \times 2 = (-26)$$

$$16 \times (-3) = (-48)$$

$$(-5) \times 14 = (-70)$$

$$(-4) \times (-10) = (+40)$$

$$20 \times (-5) = (-100)$$

$$\begin{aligned} (-2) \times (-6) \times (-4) &= \\ (+12) \times (-4) &= (-48) \end{aligned}$$

$$\begin{aligned} 5 \times (-2) \times (-6) &= \\ (-10) \times (-6) &= (+60) \end{aligned}$$

$$\begin{aligned} (-2) \times (-3) \times (-4) \times (-5) &= \\ +6 \times (-4) \times (-5) &= \\ (-24) \times (-5) &= (+120) \end{aligned}$$

DIVIDE:

$$40 \div (-8) = (-5)$$

$$(-24) \div (-6) = (+4)$$

$$(-72) \div 9 = (-8)$$

$$(-45) \div (-9) = (+5)$$

$$(-56) \div 7 = (-8)$$

$$64 \div (-16) = (-4)$$

$$(-150) \div (-15) = (+10)$$

$$99 \div (-11) = (-9)$$

$$(-51) \div 3 = (-17)$$

$$\begin{aligned} (-120) \div (-2) \div (-3) &= \\ +60 \div (-3) &= (-20) \end{aligned}$$

$$\begin{aligned} 60 \div (-6) \div (-2) &= \\ (-10) \div (-2) &= (+5) \end{aligned}$$

$$\begin{aligned} 84 \div (-4) \div 3 &= \\ (-21) \div 3 &= (-7) \end{aligned}$$

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INTEGERWORD PROBLEMS REVIEW

Show all work and steps necessary to solve each problem below.

- 1.) When Allison went to bed, the temperature was -8°C . If the temperature drops ten degrees overnight, what will the temperature be when Allison gets up?

$$\begin{array}{l} (-8) - 10 \\ (-8) + (-10) = \boxed{-18^{\circ}\text{C}} \end{array}$$

- 2.) While playing a math game on FASTMATH, Nathan scored the following points: +20, -30, -10, +50, -40, -20, -20, +10. What was Nathan's final score?

$$\begin{array}{l} +20 + (-30) + (-10) + 50 + (-40) + (-20) + (-20) + 10 \\ \hline (-10) + 40 + (-60) + (-10) \\ \hline 30 + (-70) = \boxed{-40} \end{array}$$

- 3.) Mount McKinley in Alaska is the highest point in North America. Its elevation is 20,320 ft. Death Valley in California is the lowest point with an elevation of -282 ft. What is the difference in these elevations?

$$\begin{array}{l} 20,320 - (-282) \\ 20,320 + +282 = \boxed{20,602 \text{ feet difference}} \end{array}$$

- 4.) In the game of golf, par is worth +0, a birdie is worth -1, an eagle is worth -2, a bogey is worth +1 and a double bogey is worth +2. Mark played eighteen holes of golf with his dad and shot four birdies, seven pars, four bogeys, two double bogeys, and one eagle. What was Mark's score for his round of golf?

$$\begin{array}{l} 4 \times (-1) + 7 \times 0 + 4 \times (+1) + 2 \times (+2) + 1 \times (-2) \\ \hline -4 + 0 + 4 + 4 + -2 \\ \hline -4 + 8 - 2 = \boxed{+2 \text{ score}} \end{array}$$

- 5.) Solve the following absolute value problems:

$$|5^2 - 32| - 8 =$$

$$|25 - 32| - 8$$

$$|-7| - 8$$

$$7 - 8$$

$$7 + (-8) = \boxed{-1}$$

$$|22 + (-13) - 7| =$$

$$|22 + (-13) - 7|$$

$$|9 - 7|$$

$$|2| = \boxed{2}$$