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|------------------------|----------------------|
| $(+) \times (+) = (+)$ | $(+) \div (+) = (+)$ |
| $(-) \times (-) = (+)$ | $(-) \div (-) = (+)$ |
| $(-) \times (+) = (-)$ | $(-) \div (+) = (-)$ |
| $(+) \times (-) = (-)$ | $(+) \div (-) = (-)$ |

1. Determine the product or quotient of each of the following. **(8)**

a) $(+4) \times (+2) = \underline{\hspace{2cm}}$

e) $(+8) \div (+4) = \underline{\hspace{2cm}}$

b) $(-5) \times (-3) = \underline{\hspace{2cm}}$

f) $(+25) \div (+5) = \underline{\hspace{2cm}}$

c) $(-10) \times (-1) = \underline{\hspace{2cm}}$

g) $(+35) \div (-7) = \underline{\hspace{2cm}}$

d) $(+9) \times (-5) = \underline{\hspace{2cm}}$

h) $(-12) \div (-3) = \underline{\hspace{2cm}}$

2. Solve each fraction below **(6)**

a) $\frac{1}{11} + \frac{4}{11} =$

b) $\frac{8}{12} - \frac{6}{12} =$

c) $\frac{1}{3} + \frac{2}{6} =$

d) $\frac{1}{8} \times \frac{3}{5} =$

e) $\frac{7}{9} \times \frac{4}{7} =$

3. Use order of operations to solve the following. **(10)**

a) $(12 - 2) \times 3$

b) $3^2 \times 2 + 1$

c) $(2 \times 5) + (7 \times 2)$

d) $2 + 3 + 5 - 7$

e) $(35 \div 7) + 10$

Brackets

Exponents

Division

Multiplication

Addition

Subtraction

4. **Word Problems:**

a) Mrs. B had 8 chocolate bars in her shopping cart, but decided to put half back (because, really... she doesn't need 8 chocolate bars!). Each bar cost \$0.50. How much did she spend?

b) Mr. Shaw bought two coffees for \$1.50 each, a muffin for \$1.20 and gave a tip of \$0.25. How much did he spend?

c) Baby Jack had 15 blueberries on his tray. He ate 7 of them and his mom gave him 4 more. How many does he have left now?

Answers:

1a) 8 b) 15 c) 10 d) -45 e) 2 f) 5 g) -5 h) 4

2a) $\frac{5}{11}$ b) $\frac{2}{12}$ or $\frac{1}{6}$ c) $\frac{4}{6}$ or $\frac{2}{3}$ d) $\frac{3}{40}$ e) $\frac{28}{63}$ or $\frac{4}{9}$

3a) 30 b) 19 c) 24 d) 3 e) 15

4a) \$2.00 b) \$4.45 c) 12