


Name _____
Due: Friday, Sept. 20th

Directions: Solve each problem below, show your work in the work space.

Set #3

Problem #1:


Ellie and Hannah shared a box of 200 crayons. Ellie lost one fourth of the crayons and Hannah lost 27 crayons. How many crayons were left?



Answer:

Problem #2:

The school was selling pre-orders on yearbooks for \$75 each. If a student ordered a yearbook after October 31st, they had to pay \$100 for each yearbook. Sixty-six students purchased a yearbook before October 31st. How much did the students who purchased their yearbooks early save altogether?



Answer:

Problem #3:

The buses at Lincoln Elementary were not well organized at the beginning of the school year. 345 students on the east side of the city needed to be picked up on buses and 429 students on the west side of the city needed to be picked up on buses. The buses only hold 60 students each. How many buses will Lincoln Elementary need to get their students to school?

Answer:

Problem #4:

The students in Mrs. Clark's room sold cookie dough for a "back to school" fundraiser to raise money to have guest speakers throughout the school year. The students needed to sell 1000 tubs of cookie dough. Only three students have sold cookie dough so far. Josh sold the most as he sold six dozen tubs of cookie dough. Katie sold half of what Josh sold and Mick sold seven dozen less than Josh and Katie altogether. How many tubs of cookie dough did Josh, Katie and Mick sell? How many more do they need to sell to make their goal?

Answer:

Challenge Problem #5:

Research the price of one student's lunch per day in your school cafeteria. Find out exactly how many school days there are in September this year. If four students ate at the school every day for lunch in September, what would the total cost be for the lunches of the four students for the month?

Answer:

WEB MATH MINUTE

NAME _____

SCORE _____

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 10 \\ \hline \end{array}$$

Dividing Money (B)

Calculate each quotient.

1. $6 \overline{) \$76.02}$

2. $4 \overline{) \$57.32}$

3. $8 \overline{) \$96.48}$

4. $8 \overline{) \$59.92}$

5. $6 \overline{) \$57.90}$

6. $5 \overline{) \$44.55}$

7. $4 \overline{) \$7.08}$

8. $8 \overline{) \$56.88}$

9. $5 \overline{) \$22.55}$

10. If 9 identical backpacks cost \$81.90, how much did each backpack cost?

**More Expressions & Equations** page 1 of 2

- 1** Write a numerical expression that includes grouping symbols.
 - a** To find 73×9 , I find 73 times 10 and remove 1 group of 73.
 - b** To find the volume of a box that has an 18 by 25 base and 12 layers, I multiply the area of the base times the height.

- 2** Write and solve an equation to represent each situation.
 - a** To find 23 times 8, I double and halve.
 - b** To find 24 times 17, I multiply 20 times 17 and add it to 4 times 17.

- 3** True or False?
 - a** $12 \times 17 = 6 \times 34$ _____
 - b** $99 \times 75 = (100 \times 75) - 1$ _____
 - c** To find the volume of a box, I can multiply the length times the width. _____

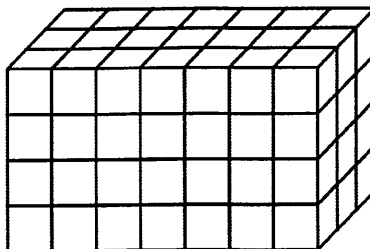
- 4** Evaluate each expression (solve each problem).
 - a** $(7 \times 8) \times 9$
 - b** $2(5 \times 5) + 3(4 \times 4)$
 - c** $(100 \times 67) - (1 \times 67)$
 - d** $(98 \times 47) + (2 \times 47)$

(continued on next page)

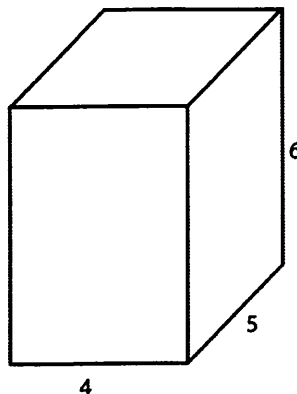
More Expressions & Equations page 2 of 2

5 How many $1 \times 1 \times 1$ cubes are in the following rectangular prisms? Write and solve equations to show.

a Equation for number of cubes:



b Equation for number of cubes:



6 A box holds 125 balls. Each layer has 25 balls. How many layers does the box have? Show your work.

7 **CHALLENGE** A box holds 425 balls. Each layer has 17 balls. How many layers does the box have? Show your work.

The Over/Under Multiplication Strategy

1. $24 \times 3 =$
 $(25 \times 3) - 3 =$

7. $26 \times 8 =$
 $(\quad \times \quad) + \quad =$

2. $49 \times 3 =$
 $(50 \times 3) - \quad =$

8. $24 \times 8 =$
 $(\quad \times \quad) - \quad =$

3. $101 \times 14 =$
 $(100 \times 14) + \quad =$

9. $99 \times 10 =$
 $(\quad \times \quad) - \quad =$

4. $99 \times 14 =$
 $(100 \times 14) + \quad =$

10. $101 \times 10 =$
 $(\quad \times \quad) + \quad =$

5. $51 \times 8 =$
 $(50 \times 8) + \quad =$

11. $26 \times 6 =$
 $(\quad \times \quad) + \quad =$

6. $49 \times 8 =$
 $(50 \times 8) - \quad =$

12. $24 \times 6 =$
 $(\quad \times \quad) - \quad =$

True or False Expressions

Mark whether each expression is TRUE or FALSE. You do NOT need to solve them.

1. $82 \times 30 = 41 \times 60$

True or False

2. $60 \times 20 = 30 \times 10$

True or False

3. $86 \times 20 = 43 \times 40$

True or False

4. $101 \times 6 = (100 \times 6) + 6$

True or False

5. $99 \times 7 = (100 \times 7) + 7$

True or False

6. $49 \times 3 = (50 \times 3) - 3$

True or False

7. $26 \times 8 = (25 \times 8) + 8$

True or False

8. $(26 \times 8 = (25 \times 8) + 8$

True or False