Name: Coz   Date: 10-5-20

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Worksheet 8   Real-World Problems: Multiplication and Division

Fill in the circle next to the correct answer.

1. Samantha had 48 stamps. She gave 15 stamps to Cindy. Samantha then bought another 9 stamps. How many stamps did Samantha have in the end?

    (A) $48 + 15 + 9$ (B) $48 - 15 - 9$

    (C) $48 - 15 + 9$ (D) $48 + 15 - 9$

2. Mrs. Lee put 4 flowers into each of her 5 vases. She had 12 flowers left. How many flowers did she have altogether?

    (A) $4 \times 5 + 12$ (B) $(4 + 12) \times 5$

    (C) $4 \times (5 + 12)$ (D) $4 \times 5 \times 12$

3. There were 6 rows of tables in a room. In each row, there were 8 tables. Then Julie rearranged the tables so that there were only 4 rows. How many tables were there in each row in the end?

    (A) $6 \times (8 \times 4)$ (B) $4 \times 6 \div 8$

    (C) $6 \times 4 \times 8$ (D) $6 \times 8 \div 4$

4. Mr. Nathan bought a piano for $6,194. He made an initial payment of $1,250. He made equal, monthly payments for the next 6 months. How much did Mr. Nathan pay each month?

    (A) $\$6,194 - \$1,250 \div 6$

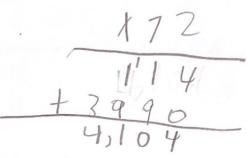   (B) $\$6,194 - \$1,250 \times 6$

    (C) $(\$6,194 - \$1,250) \div 6$

    (D) $(\$6,194 - \$1,250) \times 6$

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Solve.

5.   When a number is divided by 57, the answer is 72.
     What is the number?

     __4,104__ ÷ 57 = 72

     The number is __4,104__.

     $$\begin{array}{r} 4 \\ 57 \\ \times 72 \\ \hline 114 \\ +3990 \\ \hline 4,104 \end{array}$$

6.   When a number is multiplied by 46, the answer is 5,520.
     What is the number?

     The number
     is 120.

     $$\begin{array}{r} 120 \\ 46\overline{)5,520} \\ -46\downarrow\downarrow \\ \hline 92 \\ -92\downarrow \\ \hline 00 \end{array}$$

7.   The product of two numbers is 7,098. One of the numbers is 78.
     Find the other number.

     The other
     number
     is 91.

     $$\begin{array}{r} 91 \\ 78\overline{)7,098} \\ -702\downarrow \\ \hline 78 \\ -78 \\ \hline 0 \end{array}$$

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Solve.

8. Tran can type 56 words in a minute. How many words can he type in
    45 minutes?

    2

        5 6
      x 4 5
      ─────
      2 8 0
    + 2,2 4 0
    ─────────
      2,5 2 0

    Tran can
    type
    2,520
    words in 45 minutes.

9. A business owner paid a total of $7,392 in 48 months for her inventory.
    She paid the same amount of money each month. How much money did
    she pay each month?

    She Paid
    **$154 each
    month.**

            1 5 4
        ┌─────────
    48 │ 7,3 9 2
        - 4 8↓
        ─────────
          2 5 9
        - 2 4 0↓
        ─────────
          1 9 2 - 192 = 0

    ✓

10. Mrs. Gerber is preparing fruit skewers for a neighborhood block party.
    She has 275 pieces of fruit. She skewers 4 pieces of fruit on each stick.
    How many sticks does she need?

            6 8 r3
        ┌─────────
     4 │ 2 7 5
        - 2 4↓
        ─────────
            3 5
          - 3 2
        ─────────
            3

    **She'll need
    69 sticks.**

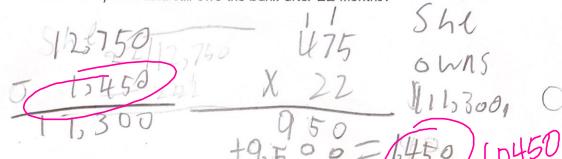**Solve.**

11. Jorgen bought 6 boxes of cranberries and 7 boxes of blueberries.
Each box contained 125 berries. How many berries did he buy in all?

$$6 \times 125 = 750$$
$$7 \times 125 = 875$$
$$1,625$$

Jorgen bought 1,625 berries.

12. Anna owed a bank $12,750. She paid the bank $475 every month.
How much money did Anna still owe the bank after 22 months?

$$\$12,750$$
$$1,450$$
$$11,300$$

$$475$$
$$\times 22$$
$$950$$
$$+9,500 = 6,450 \quad 10450$$

She owns $11,300,

13. The table shows the pay rates for the staff at a café. Harry works at
the café for 8 hours on each weekday from Monday to Friday.
He also works for 5 hours each Saturday and Sunday. How much money
does Harry make in a week?

| Weekdays | $15 per hour |
| Weekends | $25 per hour |

Harry makes
$850 each
week

$$15 \times 8 = 120$$
$$25 \times 5 = 125$$

$$125$$
$$\times 2$$
$$250$$

$$120$$
$$5$$

$$600 + 250 = 850 \quad 600$$