Lesson 3-1: Multiply Greater Numbers by Powers of 10
Solve and Share

Content Standard: 5.NBT.A.2
I Can Statement: I can use mental math to multiply a whole number by a power of 10.

At Izzy's Party Store, party invitations come in packages of 8. How many invitations are in 10 packages? 100 packages? 1,000 packages?

Lesson 3-1: Independent Practice

1. 60×1
   60×10
   60×100
   $60 \times 1,000$
   $60 \times 10,000$

2. 13×10^0
   13×10^1
   13×10^2
   13×10^3
   13×10^4

3. 89×1
   89×10
   89×100
   $89 \times 1,000$
   $89 \times 10,000$

4. 4×10^3

5. 85×100

6. 16×10^2

7. 52×10^5

8. 4×10^4

9. $29 \times 10,000$

10. $1,000 \times 10$

11. $10^1 \times 615$

12. 250×10^0

Lesson 3-2: Estimate Products
Solve and Share

Content Standard: 5.NBT.B.5
I Can Statement: I can estimate products using mental math.

A school club wants to buy shirts for each of its 38 members. Each shirt cost $23. About how much money will the shirts cost? Solve this problem any way you choose.

Lesson 3-2: Independent Practice

1. 180×586

2. 300×118

3. 42×598

4. 19×513

5. 38×249

6. 11×803

7. 44×212

8. 790×397

9. 25×191

10. 408×676

11. 290×12

12. 854×733

Lesson 3-3: Multiply 3-digit by 2-digit Numbers
Solve and Share

Content Standard: 5.NBT.B.5
I Can Statement: I can multiply 3-digit numbers by 2-digit numbers.

A local charity collected 163 cans of food every day for 14 days. How many cans did they collect in the first 10 days? How many did they collect in the remaining 4 days? How many did they collect in all?

Lesson 3-3: Independent Practice

1. $\begin{array}{r} 51 \\ \times\ 10 \\ \hline \end{array}$

2. $\begin{array}{r} 892 \\ \times\ 18 \\ \hline \end{array}$

3. $\begin{array}{r} 946 \\ \times\ 33 \\ \hline \end{array}$

4. 25×100

5. 81×11

6. 106×7

7. 90×59

8. 18×360

9. 481×35

10. 340×89

11. 439×22

12. 64×475

Lesson 3-4: Multiply Whole Numbers with Zeros
Solve and Share

Content Standard: 5.NBT.B.5
I Can Statement: I can multiply numbers that have a zero in them.

A school district is replacing all of the desks in its classrooms. There are 103 classrooms and each classroom needs 24 new desks. How many will the school district need to buy?

Lesson 3-4: Independent Practice

1.
$$\begin{array}{r} 302 \\ \times\ 17 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 608 \\ \times\ 23 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 109 \\ \times\ 47 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 510 \\ \times\ 72 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 902 \\ \times\ 35 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 207 \\ \times\ 61 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 108 \\ \times\ 58 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 505 \\ \times\ 77 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 407 \\ \times\ 39 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 280 \\ \times\ 66 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 105 \\ \times\ 24 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 360 \\ \times\ 48 \\ \hline \end{array}$$

Lesson 3-5: Multiply Multi-Digit Numbers
Solve and Share

Content Standard: 5.NBT.B.5
I Can Statement: I can find the product of multi-digit factors.

Write and solve a real-world problems with a question that can be answered by the equation below.

$$36 \times 208 = n$$

Lesson 3-5: Independent Practice

1. 1,206
    × 77

2. 543
    × 18

3. 908
    × 62

4. 750
    × 81

5. 6,755 × 9

6. 869 × 46

7. 922 × 81

8. 783 × 14

9. 684 × 15

10. 650 × 22

11. 2,525 × 37

12. 615 × 41

Lesson 3-6: Solve Word Problems Using Multiplication
Solve and Share

Content Standard: 5.NBT.B.5
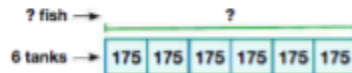**I Can Statement:** I can solve word problems involving multiplication.

Kevin's family took 239 photos on their summer vacation. Marco and his family took 12 times as many photos on their vacation. How many photos did Marco's family take?

Lesson 3-6: Independent Practice

1. A stadium has 7,525 seats. What is the total attendance for 5 games if each game is sold out? Complete the bar diagram to help you.

   n total number of people

2. An aquarium has display tanks that each contain 175 fish. How many fish are on display in 6 tanks?

   ? fish ⟶   ?
   6 tanks ⟶ 175 175 175 175 175 175

3. Each elephant at the zoo eats 125 pounds of food per day. How many pounds of food will 18 elephants eat?

4. Joy travels a lot for her job. She flies 2,840 miles each week for 4 weeks. How many miles in all does she fly?

5. Brad lives 12 times as far away from the ocean as Jennie. If Jennie lives 48 miles from the ocean, how many miles from the ocean does Brad live?

6. A hardware store ordered 13 packs of nails from a supplier. Each pack contains 155 nails. How many nails did the store order?