# COLOR-BY-ANSWER

To complete the printable, the students will solve each equation in the table. They will then choose the correct answer from the choices in the table. The answer they choose is assigned a color. They will color the number (assigned to the question or equation) using the color that matches the correct answer.

*The picture is the same for all three printables, but the math skills differ. Choose the best skill for your students at this time of the year.*

The math skills are:
- Rounding within 1,000
- 2-3-Digit by 1-Digit Multiplication
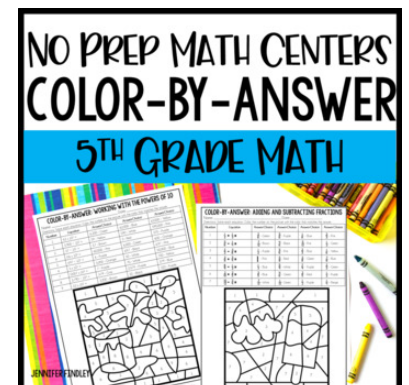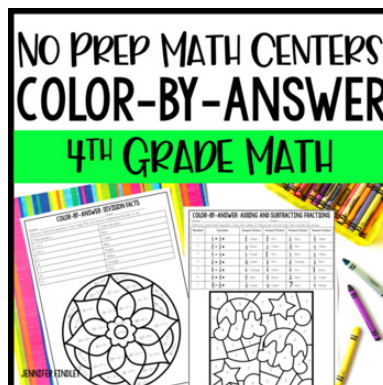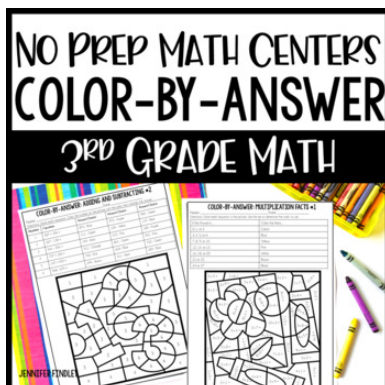- Decimal Place Value

### Accountability Tips

For accountability and to make sure that students don't just guess the correct colors, make sure that the students show their work on the backs of the papers or on separate pieces of paper.

Another option is to have them get their answers (and work) checked by you (or partners) and then color in their pictures.

# WANT MORE?

Click on your grade level to see more color-by-answer math printables that are not seasonal.
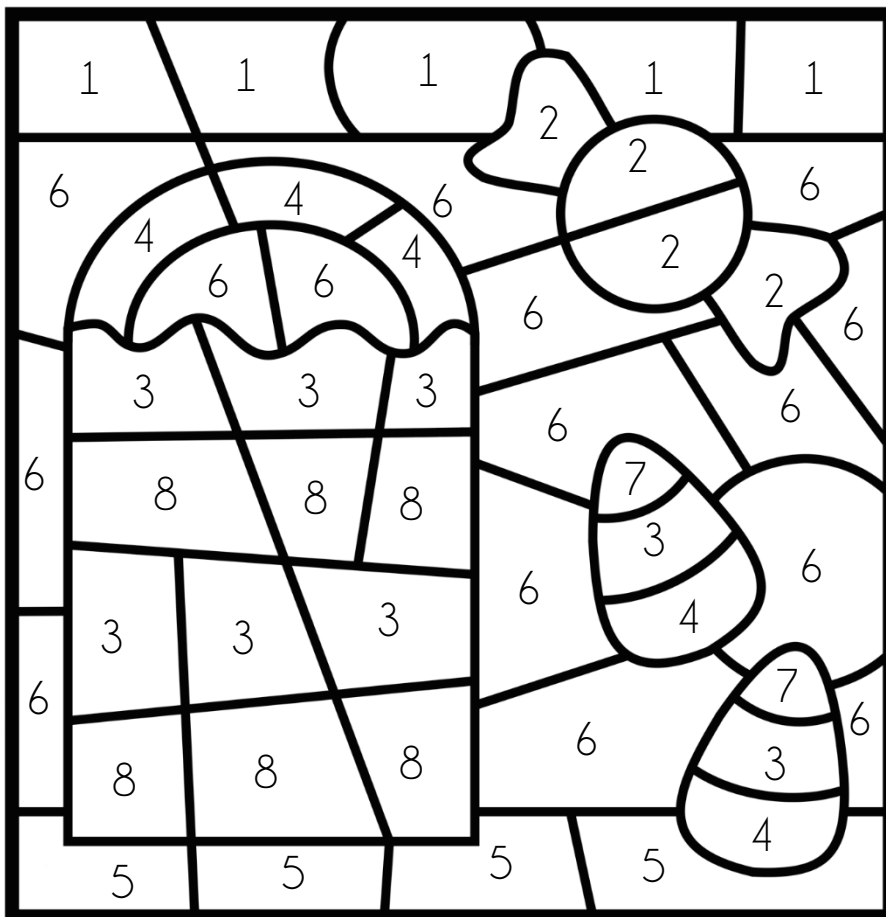
# COLOR-BY-ANSWER: HALLOWEEN

Name: _____ Date: _____

Directions: Determine the answer to the question. Color the number on the picture with the color that matches the answer.

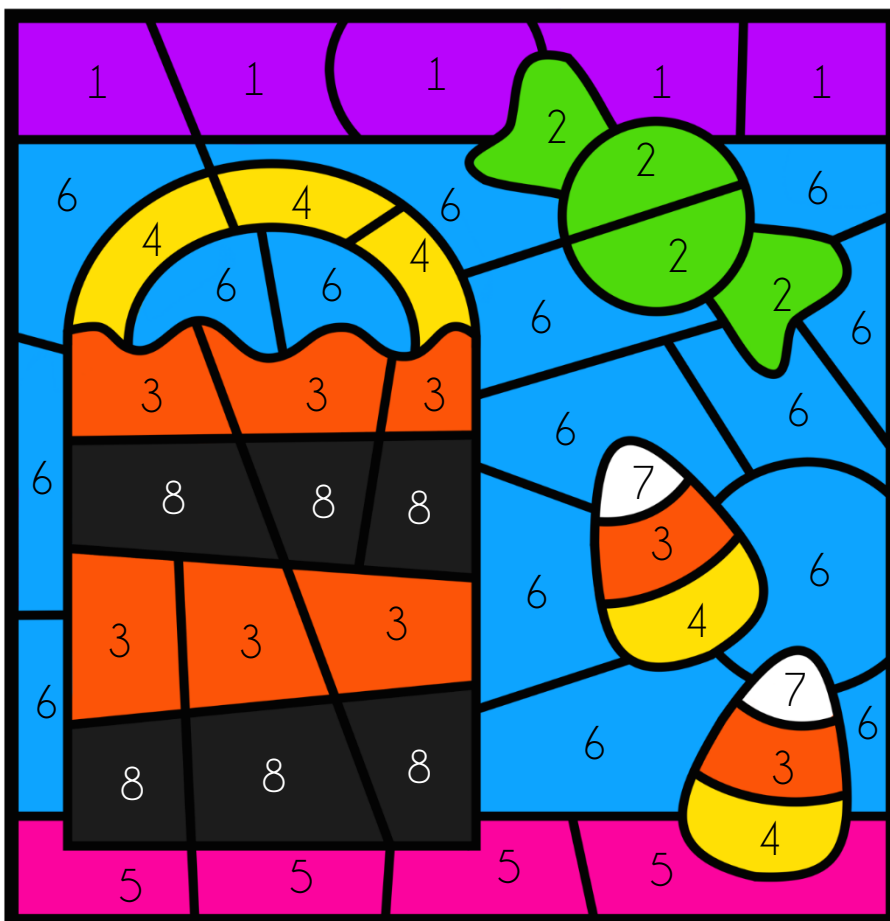| Number | Question | Answer Choice | Answer Choice | Answer Choice |
|--------|----------|---------------|---------------|---------------|
| 1 | Which number rounds to 300 when rounded to the hundreds place? | 232 – Green | 246 – Blue | 312 - Purple |
| 2 | Which number rounds to 760 when rounded to the tens place? | 767 – Pink | 759 – Green | 752 - Red |
| 3 | Which number rounds to 540 when rounded to the tens place? | 542 – Orange | 534 – Yellow | 547 - Pink |
| 4 | Which number rounds to 600 when rounded to the hundreds place? | 549 - White | 650 - Orange | 610 - Yellow |
| 5 | Which number rounds to 900 when rounded to the hundreds place? | 953 – Purple | 893 – Pink | 847 - Blue |
| 6 | Which number rounds to 450 when rounded to the tens place? | 448 – Blue | 457 – Purple | 443 - Pink |
| 7 | Which number rounds to 280 when rounded to the tens place? | 285 - Orange | 272 - Yellow | 283 - White |
| 8 | Which number rounds to 800 when rounded to the hundreds place? | 773 - Black | 852 – Orange | 749 - Yellow |

# COLOR-BY-ANSWER: HALLOWEEN

Name: Answer Key _____ Date: _____

Directions: Determine the answer to the question. Color the number on the picture with the color that matches the answer.

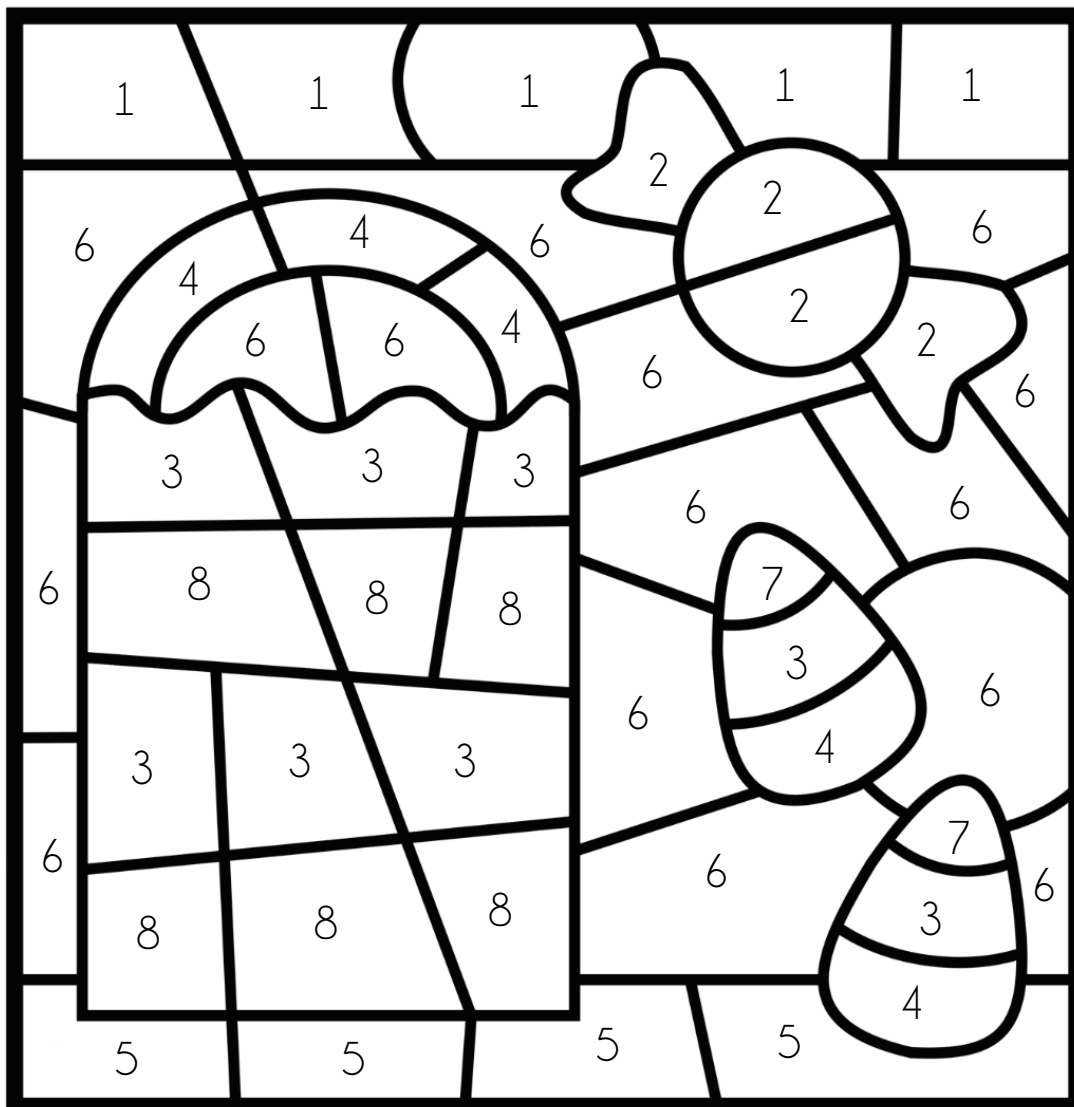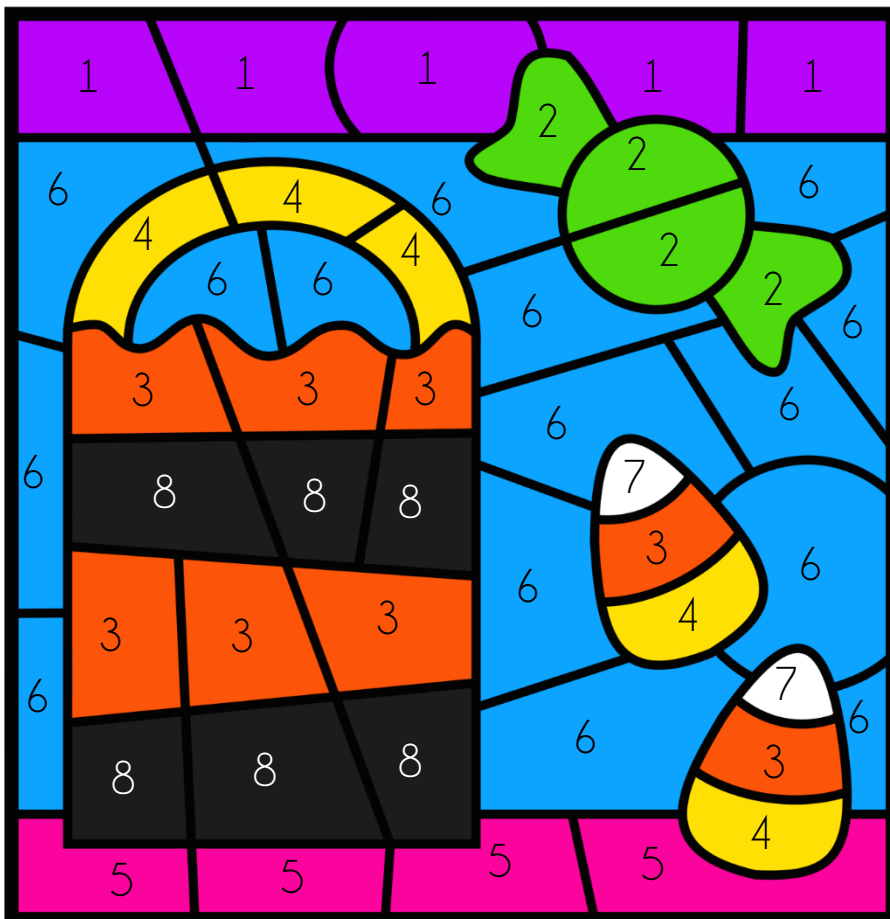| Number | Question | Answer Choice | Answer Choice | Answer Choice |
|--------|----------|---------------|---------------|---------------|
| 1 | Which number rounds to 300 when rounded to the hundreds place? | 232 – Green | 246 – Blue | <u>312 - Purple</u> |
| 2 | Which number rounds to 760 when rounded to the tens place? | 767 – Pink | <u>759 – Green</u> | 752 - Red |
| 3 | Which number rounds to 540 when rounded to the tens place? | <u>542 – Orange</u> | 534 – Yellow | 547 - Pink |
| 4 | Which number rounds to 600 when rounded to the hundreds place? | 549 - White | 650 - Orange | <u>610 - Yellow</u> |
| 5 | Which number rounds to 900 when rounded to the hundreds place? | 953 – Purple | <u>893 – Pink</u> | 847 - Blue |
| 6 | Which number rounds to 450 when rounded to the tens place? | <u>448 – Blue</u> | 457 – Purple | 443 - Pink |
| 7 | Which number rounds to 280 when rounded to the tens place? | 285 - Orange | 272 - Yellow | <u>283 - White</u> |
| 8 | Which number rounds to 800 when rounded to the hundreds place? | <u>773 - Black</u> | 852 – Orange | 749 - Yellow |

# COLOR-BY-ANSWER: HALLOWEEN

Name: _____ Date: _____

Directions: Solve the equation. Color the number on the picture with the color that matches the answer.

| Number | Equation | Answer Choice | Answer Choice | Answer Choice | Answer Choice |
|--------|----------|---------------|---------------|---------------|---------------|
| 1 | 62 x 3 = | 186 - Purple | 189 – Blue | 187 – Pink | 184 - Green |
| 2 | 79 x 4 = | 314 – Blue | 286 – Pink | 316 - Green | 306 - Purple |
| 3 | 86 x 5 = | 400 – Yellow | 430 – Orange | 435 – White | 720 - Pink |
| 4 | 27 x 9 = | 183 – White | 243 – Yellow | 233 – Pink | 236 - Orange |
| 5 | 352 x 4 = | 1,208 – Purple | 1,308 – Blue | 1,408 – Pink | 1,416 - Green |
| 6 | 657 x 2 = | 1,314 – Blue | 1,204 – Green | 1,306 – Purple | 1,206 - Black |
| 7 | 512 x 3 = | 2,036 – Yellow | 1,836 – Orange | 1,636 – Pink | 1,536 – White |
| 8 | 232 x 6 = | 1,282 – Orange | 1,382 - Yellow | 1,292 – White | 1,392 - Black |

# COLOR-BY-ANSWER: HALLOWEEN

Name: _____ Date: _____

Directions: Solve the equation. Color the number on the picture with the color that matches the answer.

| Number | Equation | Answer Choice | Answer Choice | Answer Choice | Answer Choice |
|--------|----------|---------------|---------------|---------------|---------------|
| 1 | 62 x 3 = | <u>186 - Purple</u> | 189 – Blue | 187 – Pink | 184 - Green |
| 2 | 79 x 4 = | 314 – Blue | 286 – Pink | <u>316 - Green</u> | 306 - Purple |
| 3 | 86 x 5 = | 400 – Yellow | <u>430 – Orange</u> | 435 – White | 720 - Pink |
| 4 | 27 x 9 = | 183 – White | <u>243 – Yellow</u> | 233 – Pink | 236 - Orange |
| 5 | 352 x 4 = | 1,208 – Purple | 1,308 – Blue | <u>1,408 – Pink</u> | 1,416 - Green |
| 6 | 657 x 2 = | <u>1,314 – Blue</u> | 1,204 – Green | 1,306 – Purple | 1,206 - Black |
| 7 | 512 x 3 = | 2,036 – Yellow | 1,836 – Orange | 1,636 - Pink | <u>1,536 – White</u> |
| 8 | 232 x 6 = | 1,282 – Orange | 1,382 - Yellow | 1,292 – White | <u>1,392 - Black</u> |

# COLOR-BY-ANSWER: HALLOWEEN

Name: _____ Date: _____

Directions: Determine the answer to the question. Color the number on the picture with the color that matches the answer.

| Number | Question | Answer Choice | Answer Choice | Answer Choice |
|--------|----------|---------------|---------------|---------------|
| 1 | Which number has a 9 in the tenths place? | 0.693 – Green | 92.3 – Blue | 0.9 - Purple |
| 2 | Which number has a 7 in the hundredths place? | 0.467 – Pink | 0.375 – Green | 0.79 - Red |
| 3 | Which number has a 5 in the ones place? | 15.42 – Orange | 0.534 – Yellow | 457 - Pink |
| 4 | Which number has a 3 in the thousandths place? | 3,521 - White | 37.042 - Orange | 96.013 - Yellow |
| 5 | Which number has an 8 in the hundredths place? | 983.7 – Purple | 19.58 – Pink | 36.478 - Blue |
| 6 | Which number has a 4 in the hundredths place? | 478.3 – Pink | 0.457 – Purple | 0.743 - Blue |
| 7 | Which number has a 2 in the thousandths place? | 0.285 - Orange | 0.172 - White | 2,893 - Yellow |
| 8 | Which number has a 9 in the hundreds place? | 7.39 - Yellow | 952 – Black | 0.009 - Orange |



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# COLOR-BY-ANSWER: HALLOWEEN

Answer Key

Name: _____ Date: _____

Directions: Determine the answer to the question. Color the number on the picture with the color that matches the answer.

| Number | Question | Answer Choice | Answer Choice | Answer Choice |
|--------|----------|---------------|---------------|---------------|
| 1 | Which number has a 9 in the tenths place? | 0.693 – Green | 92.3 – Blue | 0.9 - Purple |
| 2 | Which number has a 7 in the hundredths place? | 0.467 – Pink | 0.375 – Green | 0.79 - Red |
| 3 | Which number has a 5 in the ones place? | 15.42 – Orange | 0.534 – Yellow | 457 - Pink |
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| 6 | Which number has a 4 in the hundredths place? | 478.3 – Pink | 0.457 – Purple | 0.743 - Blue |
| 7 | Which number has a 2 in the thousandths place? | 0.285 - Orange | 0.172 - White | 2,893 - Yellow |
| 8 | Which number has a 9 in the hundreds place? | 7.39 - Yellow | 952 – Black | 0.009 - Orange |

# CODE MATH

To complete the printable, the students will solve equations or answer questions using graphics and a graphic key.

Each graphic on the printables represents or matches a number. The students are presented with equations or questions using the graphics. They must use the key to determine the numbers that represent the graphics and then solve the equations or answer the questions.

*The graphics are the same for all three printables, but the math skills differ. Choose the best skill for your students at this time of the year.*

The math skills are:
- Adding and Subtracting within 1,000
- Writing Whole Numbers (within 1,000,000)
- Multiplying Multi-Digit Numbers

# WANT MORE?

Click on your grade level to see more code math printables that are not seasonal.

| NO PREP MATH CENTERS CODE MATH 3RD GRADE MATH | NO PREP MATH CENTERS CODE MATH 4TH GRADE MATH | NO PREP MATH CENTERS CODE MATH 5TH GRADE MATH |
|---|---|---|
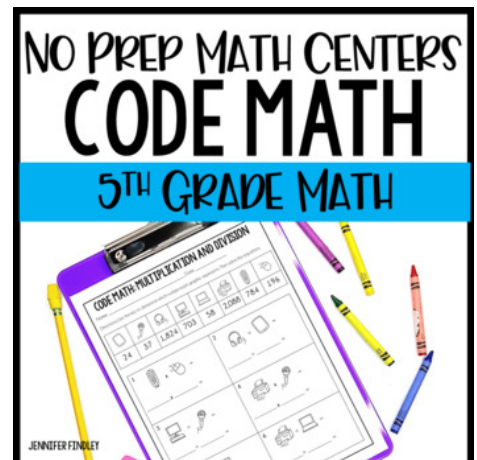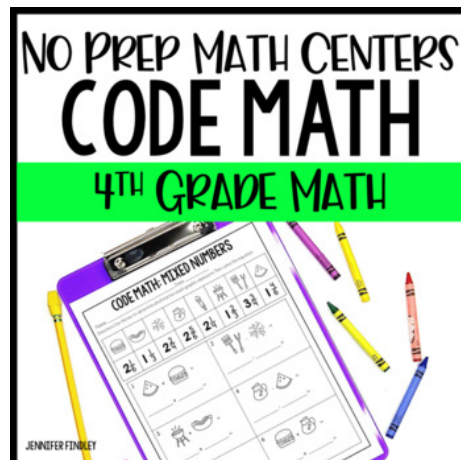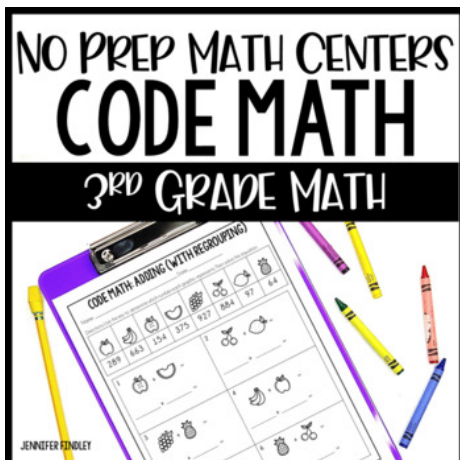
# CODE MATH: ADDITION AND SUBTRACTION

Name: _____ Date: _____

Directions: Use the key to determine which number each graphic represents. Solve the equation.

| 598 | 312 | 126 | 387 | 485 | 702 | 251 | 803 |
|-----|-----|-----|-----|-----|-----|-----|-----|

**1**

     +      =

_____ + _____ =

**2**

     -      =

_____ - _____ =

**3**

     -      =

_____ - _____ =

**4**

     +      =

_____ + _____ =

**5**

     +      =

_____ + _____ =

**6**

     -      =

_____ - _____ =

# CODE MATH: ADDITION AND SUBTRACTION

Name: _____ Answer Key _____ Date: _____

Directions: Use the key to determine which number each graphic represents. Solve the equation.

| 🎃 | 🐱 | 🏚️ | 🎩 | 🫙 | 🦇 | 🎃 | 🦇 |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 598 | 312 | 126 | 387 | 485 | 702 | 251 | 803 |

**1**

🦇 + 🏚️ =

803 + 126 = 929

**2**

🎃 - 🎃 =

598 – 251 = 347

**3**

🎩 - 🎃 =

387 – 251 = 136

**4**

🐱 + 🫙 =

312 + 485 = 797

**5**

🦇 + 🏚️ =

702 + 126 = 828

**6**

🦇 - 🐱 =

803 – 312 = 491

# CODE MATH: WRITING NUMBERS

Name: _____ Date: _____

Directions: Use the key to determine which number each graphic represents. Follow the directions in each box.

|  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|
| 24,963 | 306,542 | 127,003 | 678,024 | 189,542 | 782,070 | 360,542 | 489,152 |

---

1. Write the number represented by the graphic in word form.

2. Write the number represented by the graphic in expanded form.

3. Write the number represented by the graphic in expanded form.

4. Write the number represented by the graphic in word form.

5. Write the number represented by the graphic in word form.

6. Write the number represented by the graphic in expanded form.

7. Write the number represented by the graphic in expanded form.

8. Write the number represented by the graphic in word form.

# CODE MATH: WRITING NUMBERS

Name: **Answer Key** _____ Date: _____

Directions: Use the key to determine which number each graphic represents. Follow the directions in each box.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 24,963 | 306,542 | 127,003 | 678,024 | 189,542 | 782,070 | 360,542 | 489,152 |

---

1. Write the number represented by the graphic in word form.

**489,152 = four hundred eighty-nine thousand, one hundred fifty-two**

2. Write the number represented by the graphic in expanded form.

**189,542 = 100,000 + 80,000 + 9,000 + 500 + 40 + 2**

3. Write the number represented by the graphic in expanded form.

**678,024 = 600,000 + 70,000 + 8,000 + 20 + 4**

4. Write the number represented by the graphic in word form.

**24,963 = twenty-four thousand, nine hundred sixty-three**

5. Write the number represented by the graphic in word form.

**306,542 = three hundred six thousand, five hundred forty-two**

6. Write the number represented by the graphic in expanded form.

**127,003 = 100,000 + 20,000 + 7,000 + 3**

7. Write the number represented by the graphic in expanded form.

**360,542 = 300,000 + 60,000 + 500 + 40 + 2**

8. Write the number represented by the graphic in word form.

**782,070 = seven hundred eighty-two thousand, seventy**

# CODE MATH: MULTIPLICATION

Name: _____ Date: _____

Directions: Use the key to determine which number each graphic represents. Solve the equation.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 67 | 59 | 123 | 712 | 276 | 312 | 48 | 89 |

**1**

🐱 x 🏚 =

_____ x _____ =

**2**

🎩 x 🦇 =

_____ x _____ =

**3**

🛍 x 🎃 =

_____ x _____ =

**4**

🛍 x 🐱 =

_____ x _____ =

**5**

⚱ x 🐱 =

_____ x _____ =

**6**

🎃 x 🏚 =

_____ x _____ =

# CODE MATH: MULTIPLICATION

Name: ___Answer Key_____ Date: _____

Directions: Use the key to determine which number each graphic represents. Solve the equation.

| 67 | 59 | 123 | 712 | 276 | 312 | 48 | 89 |
|----|----|-----|-----|-----|-----|----|----|

**1**

$59 \times 123 = 7{,}257$

**2**

$712 \times 89 = 63{,}368$

**3**

$312 \times 48 = 14{,}976$

**4**

$67 \times 59 = 3{,}953$

**5**

$276 \times 59 = 16{,}284$

**6**

$48 \times 123 = 5{,}904$

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Thanks!
Jennifer Findley