## Third Grade

## Color Math

## Workbook Samples

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Fill in the missing numbers. Skip count.
Line | 0 , $\qquad$
$\qquad$ , 16, 18, $\qquad$ , $\qquad$ , $\qquad$ , 26
Line 258 , $\qquad$ , 62, $\qquad$ , $\qquad$ , $\qquad$ , $\qquad$ , 72
Line 3 20, $\qquad$
$\qquad$ , 35, 40, $\qquad$ , $\qquad$ , $\qquad$ , 60 Line 4 70, $\qquad$ , , _, $\qquad$ , $\qquad$ , 100

Solve the problems.

| 428 | 129 | 293 | 525 |
| ---: | ---: | ---: | ---: |
| +462 | +359 | +654 | +325 |


| 884 |
| ---: | ---: | ---: |
| $+\quad 70$ |

156
$+455$

A number family is three numbers that can be arranged as more than one problem. For example, the numbers 4,6 , and 10 can be made into four problems.

Write four problems for each number family.


## 15, 7, 8 <br>  111111111111111111111111

12,3,9
IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII IIIIIIIIIIII

## Lesson 14

Fact Review: Solve the problems.

| 4 | 6 | 4 | 2 | 0 | 9 | 5 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\times 1$ |  |  |  |  |  |  |

Solve the problems.

| 900 | 500 | 600 | 300 | 400 |
| :---: | :---: | :---: | :---: | :---: |
| + 900 | + 200 | + 900 | + 100 | + 400 |
| 800 | 700 | 500 | 200 | 300 |
| + 700 | + 600 | + 900 | + 400 | + 700 |

Count the coins. Write a running total.


Fact Review: Solve the problems.

| +2 |
| :---: |
|  |  |

Fill in the square to mark the place value of the underlined digit.

## 83,254

71,360
90,416
$\square$ Ones
$\square$ Ones
$\square$ Ones
$\square$ Ones
$\square$ Tens
$\square$ Hundreds
$\square$ Thousands
$\square$ Ten Thousands
18,592
$\square$ Tens
$\square$ Hundreds
$\square$ Thousands
$\square$ Ten Thousands
56,732Ones
$\square$ TensHundreds
$\square$ Thousands
$\square$ Ten Thousands

64,105
$\square$ Ones
$\square$ Tens
$\square$ Hundreds
$\square$ Thousands
$\square$ Ten Thousands

39,548
$\square$ Ones
$\square$ Tens
$\square$ Hundreds
$\square$ Thousands
$\square$ Ten Thousands

Ones
$\square$ Tens
$\square$ Hundreds
$\square$ Thousands
$\square$ Ten Thousands
23,879
$\square$ Ones
$\square$ Tens
$\square$ Hundreds
$\square$ Thousands
$\square$ Ten Thousands

Use inch cubes to make the designs.


Solve the problems.

| 95 | 36 | 61 | 84 | 25 |
| :---: | :---: | :---: | :---: | :---: |
| - 45 | - 17 | - 55 | - 48 | - 19 |
| 361 | 801 | 524 | 632 | 225 |
| +123 | + 147 | + 253 | + 265 | + 404 |

Write the number to match the description of the shapes in the boxes.


Small yellow circle and large red square

Large yellow square and small red triangle

Large yellow triangle and small red circle

Small red triangle and large yellow circle

Small red square and large yellow triangle

Large yellow circle and small red square

Large red triangle and small yellow square

Addition Review: Solve the problems.

| 914 | 652 | 473 | 559 |
| ---: | ---: | ---: | ---: |
| +254 | +808 | +527 | +777 |

Compare the numbers fill in $>$ or $<$.

| $60 \bigcirc 69$ | $123 \bigcirc 125$ | 12,439 |
| :---: | :---: | :---: |
| $89 \bigcirc 90$ | $554 \bigcirc 550$ | 35,886 $\bigcirc 34,986$ |
| $53 \bigcirc 51$ | $1000 \bigcirc 997$ | 74,136 $\bigcirc 77,631$ |
| $78 \bigcirc 77$ | $804 \bigcirc 799$ | 58,490 $\bigcirc 8,700$ |
| $45 \bigcirc 49$ | $637 \bigcirc 636$ | 69,829 69,837 |



Subtraction Review: Solve the problems.

| 987 | 642 | 796 | 853 |
| ---: | ---: | ---: | ---: |
| -854 | -199 | -428 | -698 |

Write a fraction for the color part of each shape.


Color part of each shape to match the fraction.

$\frac{1}{4}$

$\frac{2}{3}$

$\frac{1}{2}$

$\frac{3}{4}$

$\frac{1}{3}$

$\frac{2}{2}$

Complete the chart. Build the shape with the number of pieces shown in the chart. Record the number


Subtraction Review: Solve the problems.

235

| 457 |
| ---: |
| -249 |

$-146$
$\qquad$
$\qquad$


Subtraction Review: Solve the problems.

| 357 | 521 | 850 | 634 | 432 |
| ---: | ---: | ---: | ---: | ---: |
| -159 | -218 | -368 | -155 | -279 |

Solve the problems. Start with the parenthesis.

$$
\begin{array}{ll}
(7+2)-6=\ldots & 15+(3+2)= \\
4-(2+2)=\square & (8-2)-(1+3)= \\
23-(8+8)=\square & 9-9+9= \\
(5+4)-(1+1)=\square & (3+9)-8= \\
(3-1)+(1+4)=\square & 34-(30+2)=
\end{array}
$$

Write numbers for the groups of pattern blocks.


Fact Review: Solve the problems.

| 4 | 8 | 6 | 7 | 5 |  |  |  |  | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\times 5$ | $\times 5$ | $\times 5$ | $\times 5$ | $\times 5$ | $\times$ | $\times$ | $x$ | $x$ | $\times 5$ |

Estimate the times to the nearest quarter hour.


3:45


5:30
5:45


10:00


7:45
8:00


6:30
6:45
12:15


2:15 2:30

Complete the math machine tables. If both sides are empty, pick a number and apply the function.


$$
\mathrm{I}=\ldots \quad \mathrm{V}=\ldots \quad \mathrm{X}=
$$

$\qquad$

Write the number that matches the number in the top box in each row.

| 51 | 52 | 53 | 54 | 55 | 56 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |


| XXXIX | LVIII | LV | LVII | LI | LIX |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |



Write a fraction for the color part of each bar.


Find the value of each animal.

$$
\begin{aligned}
& 5 \times \frac{a}{a b}=20 \\
& x=4=24 \\
& 4 \times 36 \\
& 2 \times 3=15 \\
& 9 \times 27 \\
& 7 \times 05=14
\end{aligned}
$$



Solve the problems.

| 3824 |
| ---: | ---: | ---: |
| $-\quad 1984$ |

Use the graph to answer the questions.


Solve the problems.

| $\$ 34.64$ | $\$ 58.37$ | $\$ 91.22$ | $\$ 70.50$ |
| ---: | ---: | ---: | ---: |
| $+\$ 38.78$ | $+\$ 16.59$ | $-\$ 74.16$ | $-\$ 34.78$ |

Fill in the circle that shows the next design in the pattern.

○


$\bigcirc$

○
$\bigcirc$


Write the coordinates for the animals.


Solve the problems.

| 2584 | 6387 | 1493 | 4962 |
| ---: | ---: | ---: | ---: |
| $\times 8$ |  |  |  |
| $\times \quad 4$ |  |  |  |

Use the graph to decide if the statements are true or false.

1. The purple flowers sold the most.

2. The blue flowers sold the least.
T F
3. Twenty-three pots of orange flowers sold.
(T) F
4. Ruff sold 4 more yellow flowers that blue flowers.

5. At $\$ 5.00$ each, Ruff made $\$ 125.00$ from selling red flowers.
6. At $\$ 9.00$ each, Ruff made $\$ 117.00$ from selling yellow flowers.
7. Ruff sold a total of 49 red and purple flowers.
(T) F
8. Ruff sold 31 yellow and blue flowers.

9. Ruff sold an equal number of orange flowers and red flowers.


Solve the problems.

$3 \longdiv { 1 2 6 }$
$7 \longdiv { 3 7 1 }$
$4 \longdiv { 1 8 0 }$
$8 \longdiv { 1 6 8 }$
$\begin{array}{r}37.52 \\ -26.11 \\ \hline\end{array}$
$\begin{array}{r}45.78 \\ +38.54 \\ \hline\end{array}$
92.46
61.97

- 19.67
$+42.88$

Change the units of weight.
6000 grams $=\ldots$ kilograms
8000 pounds $=\ldots$ tons

48 ounces $=$ $\qquad$ pounds

3 tons $=$ $\qquad$ pounds

10,000 pounds $=$ $\qquad$ tons

3000 grams $=$ $\qquad$ kilograms
12 kilograms =
$\qquad$ grams

Make the geoboard designs.


B


D

