Color by Number: The 2s, 5s, and 10s

Solve the problem in each square. Find the answer in the color guide, and color the square that color.

Color guide

☐ 8 or 20 = green ☐ 12, 16, or 40 = orange ☐ 15 = black ☐ 30 = pink

2 × 4	6 × 2	2 × 10	4 × 2	5 × 4	4 × 5	10 × 2	2 × 4	8 × 5	5 × 4
4 × 2	2 × 6	2 × 8	10 × 2	2 × 10	10 × 2	4 × 5	10 × 4	4 × 10	2 × 4
4 × 5	8 × 2	5 × 8	2 × 6	10 × 4	8 × 5	6 × 2	5 × 8	8 × 2	5 × 4
2 × 8	4 × 10	5 × 3	4 × 10	8 × 5	10 × 4	8 × 2	3 × 5	2 × 8	5 × 8
2 × 6	6 × 2	5 × 8	10 × 4	4 × 10	6 × 2	2 × 8	8 × 2	8 × 5	2 × 6
2 × 8	8 × 5	10 × 4	2 × 6	5 × 6	6 × 5	6 × 2	4 × 10	5 × 8	8 × 2
8 × 2	2 × 6	4 × 10	2 × 8	10 × 4	6 × 2	8 × 5	5 × 8	2 × 8	8 × 5
4 × 2	5 × 8	6 × 2	4 × 10	2 × 6	8 × 2	10 × 4	8 × 5	10 × 4	2 × 10
2 × 4	2 × 10	8 × 2	2 × 6	5 × 8	2 × 8	4 × 10	6 × 2	5 × 4	10 × 2
4 × 2	4 × 5	5 × 4	2 × 4	10 × 2	2 × 10	4 × 2	4 × 5	4 × 2	2 × 4

Color by Number: The 2s, 5s, and 10s

Solve the problem in each square. Find the answer in the color guide, and color the square that color.

Color guide

- ☐ 8 or 16 = yellow
- ☐ 12 or 15 = purple
- ☐ 20 or 40 = red
- ☐ 30 = blue
- ☐ 50 = orange

6 × 2	5 × 3	3 × 5	2 × 6	10 × 4	8 × 5	6 × 2	5 × 3	3 × 5	2 × 6
5 × 3	2 × 6	6 × 2	10 × 2	5 × 4	2 × 10	4 × 5	2 × 6	5 × 3	3 × 5
3 × 5	6 × 2	2 × 6	2 × 4	4 × 2	2 × 8	8 × 2	6 × 2	3 × 5	5 × 3
5 × 3	2 × 6	6 × 2	2 × 8	3 × 10	6 × 5	2 × 4	3 × 5	6 × 2	2 × 6
3 × 5	5 × 3	3 × 5	4 × 2	5 × 6	10 × 3	8 × 2	2 × 6	5 × 3	6 × 2
5 × 3	3 × 5	6 × 2	2 × 4	2 × 8	8 × 2	4 × 2	3 × 5	2 × 6	5 × 3
6 × 2	2 × 6	5 × 8	2 × 8	2 × 4	4 × 2	8 × 2	4 × 10	5 × 3	2 × 6
3 × 5	10 × 2	2 × 10	4 × 2	2 × 8	2 × 4	2 × 8	5 × 8	4 × 10	6 × 2
2 × 6	6 × 2	5 × 3	10 × 5	5 × 10	10 × 5	5 × 10	3 × 5	6 × 2	3 × 5
5 × 3	2 × 6	6 × 2	3 × 5	10 × 5	5 × 10	2 × 6	5 × 3	2 × 6	5 × 3

Color by Number: Times Facts to 10 × 10

Solve the problem in each square. Find the answer in the color guide, and color the square that color.

Color guide

- ☐ 12, 24, or 36 = blue
- ☐ 16 or 18 = pink
- ☐ 20 or 30 = green
- ☐ 40 = yellow

9 × 4	6 × 2	8 × 3	3 × 4	3 × 8	4 × 3	2 × 6	4 × 6	6 × 4	6 × 6
4 × 9	8 × 3	6 × 4	2 × 9	9 × 2	6 × 3	8 × 2	9 × 4	3 × 4	4 × 9
2 × 6	3 × 8	4 × 4	3 × 6	5 × 8	8 × 5	2 × 8	3 × 6	6 × 6	6 × 2
4 × 3	4 × 6	2 × 9	4 × 10	10 × 4	4 × 10	8 × 5	4 × 4	8 × 3	9 × 4
6 × 4	3 × 4	6 × 3	9 × 2	5 × 8	10 × 4	2 × 8	8 × 2	6 × 2	6 × 6
2 × 6	4 × 3	4 × 9	4 × 4	9 × 2	6 × 3	3 × 6	6 × 6	3 × 8	4 × 6
4 × 6	2 × 6	3 × 8	8 × 3	4 × 5	3 × 4	4 × 9	6 × 2	4 × 3	9 × 4
6 × 4	10 × 2	5 × 6	3 × 8	3 × 10	6 × 4	2 × 6	8 × 3	9 × 4	4 × 9
6 × 6	4 × 3	5 × 4	6 × 5	10 × 3	6 × 2	2 × 10	5 × 6	3 × 4	4 × 6
8 × 3	6 × 6	3 × 4	3 × 8	6 × 5	2 × 10	10 × 2	4 × 9	9 × 4	6 × 4

Color by Number: Times Facts to 10 × 10

Solve the problem in each square. Find the answer in the color guide, and color the square that color.

Color guide

- ☐ 12 or 24 = orange
- ☐ 16 or 30 = black
- ☐ 18 or 36 = blue
- ☐ 20 = yellow

9 × 2	2 × 9	4 × 9	6 × 3	3 × 6	6 × 6	9 × 4	6 × 3	4 × 9	6 × 6
3 × 6	3 × 4	4 × 3	9 × 2	2 × 9	9 × 4	6 × 6	3 × 8	4 × 6	9 × 4
8 × 3	6 × 4	2 × 6	6 × 2	4 × 9	6 × 3	3 × 4	4 × 3	3 × 8	6 × 2
6 × 4	2 × 6	5 × 4	8 × 3	6 × 5	4 × 4	4 × 6	10 × 2	8 × 3	2 × 6
6 × 2	4 × 3	3 × 4	3 × 8	3 × 10	5 × 6	8 × 3	4 × 6	6 × 4	4 × 6
9 × 2	3 × 4	6 × 2	4 × 3	10 × 3	8 × 2	2 × 6	6 × 4	3 × 8	2 × 9
3 × 6	4 × 9	4 × 6	8 × 3	4 × 4	2 × 8	6 × 2	3 × 8	9 × 2	6 × 3
9 × 4	4 × 3	3 × 4	6 × 4	8 × 2	10 × 3	2 × 6	4 × 6	3 × 8	3 × 6
6 × 6	6 × 4	4 × 3	2 × 9	6 × 5	5 × 6	9 × 2	2 × 6	6 × 2	2 × 9
9 × 4	6 × 6	4 × 9	6 × 3	3 × 6	9 × 4	2 × 9	6 × 6	9 × 2	6 × 3

Color by Number: Answer Key, Pages 1 to 4

For the grown-up. Each square shows its answer in red and a light shade of the color it takes. The heavy lines show the picture on a black-and-white printout.

Page 1: a cat

Color guide

- 8 or 20 = green
- 12, 16, or 40 = orange
- 15 = black
- 30 = pink

8	12	20	8	20	20	20	8	40	20
8	12	16	20	20	20	20	40	40	8
20	16	40	12	40	40	12	40	16	20
16	40	15	40	40	40	16	15	16	40
12	12	40	40	40	12	16	16	40	12
16	40	40	12	30	30	12	40	40	16
16	12	40	16	40	12	40	40	16	40
8	40	12	40	12	16	40	40	40	20
8	20	16	12	40	16	40	12	20	20
8	20	20	8	20	20	8	20	8	8

Page 2: a rocket

Color guide

- 8 or 16 = yellow
- 12 or 15 = purple
- 20 or 40 = red
- 30 = blue
- 50 = orange

12	15	15	12	40	40	12	15	15	12
15	12	12	20	20	20	20	12	15	15
15	12	12	8	8	16	16	12	15	15
15	12	12	16	30	30	8	15	12	12
15	15	15	8	30	30	16	12	15	12
15	15	12	8	16	16	8	15	12	15
12	12	40	16	8	8	16	40	15	12
15	20	20	8	16	8	16	40	40	12
12	12	15	50	50	50	50	15	12	15
15	12	12	15	50	50	12	15	12	15

Page 3: a flower

Color guide

- 12, 24, or 36 = blue
- 16 or 18 = pink
- 20 or 30 = green
- 40 = yellow

36	12	24	12	24	12	12	24	24	36
36	24	24	18	18	18	16	36	12	36
12	24	16	18	40	40	16	18	36	12
12	24	18	40	40	40	40	16	24	36
24	12	18	18	40	40	16	16	12	36
12	12	36	16	18	18	18	36	24	24
24	12	24	24	20	12	36	12	12	36
24	20	30	24	30	24	12	24	36	36
36	12	20	30	30	12	20	30	12	24
24	36	12	24	30	20	20	36	36	24

Page 4: a butterfly

Color guide

- 12 or 24 = orange
- 16 or 30 = black
- 18 or 36 = blue
- 20 = yellow

18	18	36	18	18	36	36	18	36	36
18	12	12	18	18	36	36	24	24	36
24	24	12	12	36	18	12	12	24	12
24	12	20	24	30	16	24	20	24	12
12	12	12	24	30	30	24	24	24	24
18	12	12	12	30	16	12	24	24	18
18	36	24	24	16	16	12	24	18	18
36	12	12	24	16	30	12	24	24	18
36	24	12	18	30	30	18	12	12	18
36	36	36	18	18	36	18	36	18	18

For Grown-Ups: How to Use These Worksheets

One picture at a time, over two or three sittings if it takes that long. For second and third grade.

Why use it

The picture is the reward and the problems are the practice. Each square holds one multiplication fact, and its answer says which color it takes, so a child solves every square to see the picture appear. The first two pictures use the 2s, 5s, and 10s, the facts most children learn first.

What it is good for

- Pages 1 and 2: the 2s, 5s, and 10s.
- Pages 3 and 4: every fact from 2 × 2 to 10 × 10.
- Practice for facts your child has already learned, not new ones.

How to use it

1. Color each empty box in the color guide first, with the crayon it names.
2. Solve one square, find its answer in the guide, and color the square.
3. For a fact that is not known yet, use one that is: 6 × 4 is 5 × 4 and one more 4.
4. Stop after a few rows if your child tires. The picture keeps.
5. Check with the answer key: each square is shaded the color it takes.

> **Try saying:** “What is 6 times 4? Which color has 24?”

Tip: Turnarounds have the same answer, so 4 × 6 and 6 × 4 always take the same color.