

Numeracy Colouring-In

Australian Curriculum V9.0 links for
Years 3 to 4

Mathematics

- Number

General Capabilities

- Numeracy

Background:

This task explores multiplication and division through a colour-by-numbers activity. Students solve problems involving one- and two-digit numbers to reveal the correct colours for sections of an image. As they work, they practise using number sentences and mental strategies to strengthen their understanding of multiplication and division in a fun and engaging way.

Curriculum links:

Year 3

AC9M3N06: use mathematical modelling to solve practical problems involving additive and multiplicative situations including financial contexts; formulate problems using number sentences and choose calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation

AC9M3N04: multiply and divide one- and two-digit numbers, representing problems using number sentences, diagrams and arrays, and using a variety of calculation strategies

Year 4

AC9M4N08: use mathematical modelling to solve practical problems involving additive and multiplicative situations including financial contexts; formulate the problems using number sentences and choose efficient calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation

AC9M4N06: develop efficient strategies and use appropriate digital tools for solving problems involving addition and subtraction, and multiplication and division where there is no remainder

Learning outcomes:

All students will be able to:

- solve multiplication and division problems using one- and two-digit numbers.
- match their answers to colours and apply them to complete a numeracy colouring-in sheet.

In addition, some students will be able to:

- explain the strategies they used to solve problems.
- recognise number patterns and use efficient methods —skills that build confidence in maths and support future problem-solving in STEM.



Name: _____

Date: _____

Multiplication and Division Activity Sheet

Solve each problem. Find the answers in the picture.

Colour each one to make the picture come to life.

Light Green

$5 \times 5 =$

$4 \times 8 =$

$9 \times 2 =$

$6 \times 6 =$

$22 \div 2 =$

$40 \div 4 =$

$9 \div 9 =$

Black

$7 \times 7 =$

$7 \times 6 =$

$5 \times 11 =$

$9 \times 11 =$

$8 \times 11 =$

Orange

$6 \times 4 =$

$3 \times 3 =$

$6 \div 3 =$

$20 \div 5 =$

Brown

$4 \times 4 =$

$7 \times 3 =$

$12 \div 4 =$

$21 \div 3 =$

Dark Green

$6 \times 5 =$

$4 \times 7 =$

$36 \div 6 =$

$15 \div 3 =$

Grey

$8 \times 6 =$

$3 \times 9 =$

$100 \div 2 =$

$77 \div 0 =$

Yellow

$16 \div 2 =$

$6 \times 2 =$

Pale Pink

$8 \times 5 =$

$8 \times 8 =$

$26 \div 2 =$

Pink

$2 \times 10 =$

Dark Blue

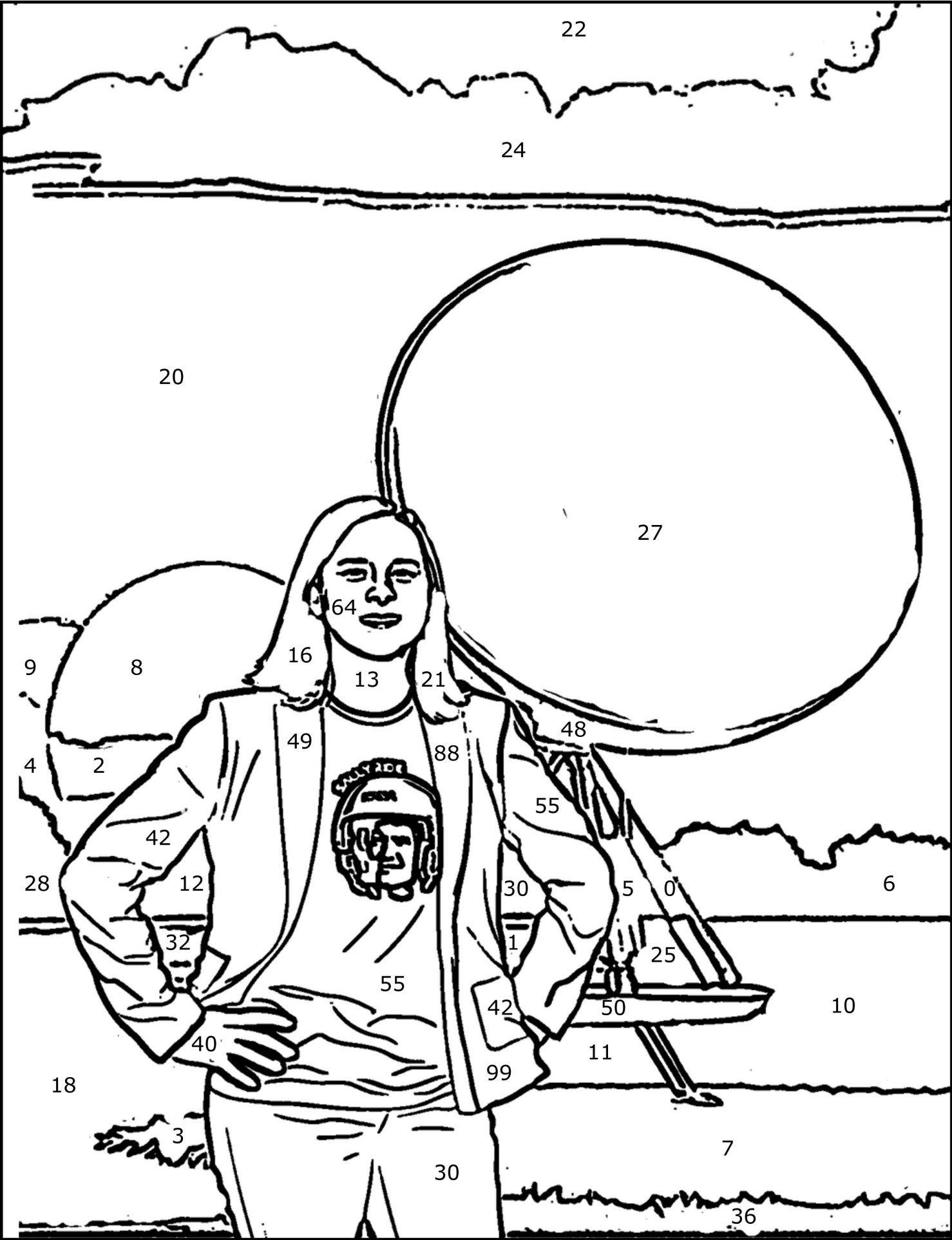
$3 \times 10 =$

Purple

$11 \times 2 =$

Name: _____

Date: _____





Answers

Multiplication and Division Activity Sheet

Light Green

$$5 \times 5 = 25$$

$$4 \times 8 = 40$$

$$9 \times 2 = 18$$

$$6 \times 6 = 36$$

$$22 \div 2 = 11$$

$$40 \div 4 = 10$$

$$9 \div 9 = 1$$

Black

$$7 \times 7 = 49$$

$$7 \times 6 = 42$$

$$5 \times 11 = 55$$

$$9 \times 11 = 99$$

$$8 \times 11 = 88$$

Orange

$$6 \times 4 = 24$$

$$3 \times 3 = 9$$

$$6 \div 3 = 2$$

$$20 \div 5 = 4$$

Brown

$$4 \times 4 = 16$$

$$7 \times 3 = 21$$

$$12 \div 4 = 3$$

$$21 \div 3 = 7$$

Dark Green

$$6 \times 5 = 30$$

$$4 \times 7 = 28$$

$$36 \div 6 = 6$$

$$15 \div 3 = 5$$

Grey

$$8 \times 6 = 48$$

$$3 \times 9 = 27$$

$$100 \div 2 = 50$$

$$77 \div 0 = 0$$

Pale Pink

$$8 \times 5 = 40$$

$$8 \times 8 = 64$$

$$26 \div 2 = 13$$

Yellow

$$16 \div 2 = 8$$

$$6 \times 2 = 12$$

Pink

$$2 \times 10 = 20$$

Dark Blue

$$3 \times 10 = 30$$

Purple

$$11 \times 2 = 22$$