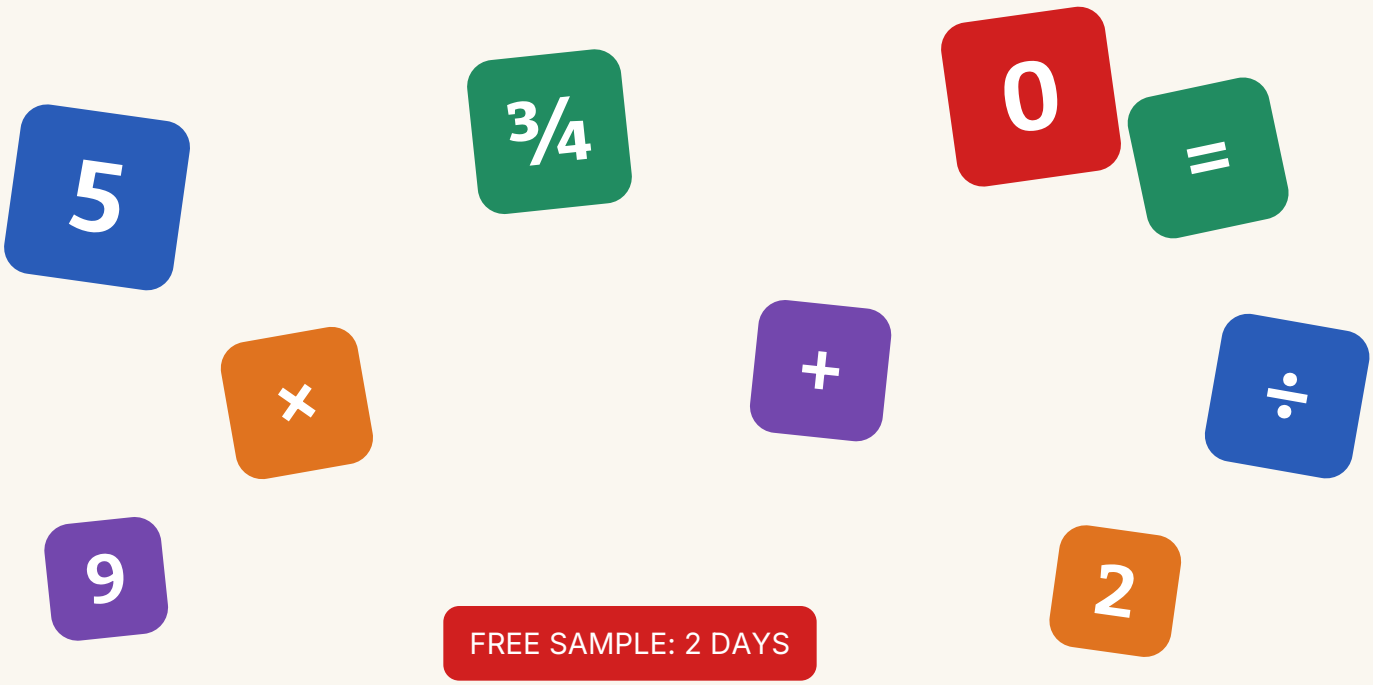



FREE SAMPLE: 2 DAYS

MATHIFY KIDS • PRINTABLE WORKBOOK

# Grade 5 Math in 30 Days

One page a day of mixed review, about 20 minutes

- 30 days of mixed practice
- 8 tip sheets with worked examples
- Start and finish tests
- Answer key with worked solutions
- Progress chart + certificate

This workbook belongs to: _____

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# How to use this workbook

A page for parents and teachers

1. **Take the start test.**
   Before day 1, do the start test. It shows where your child begins. Don't help; it is a snapshot, not a grade.
2. **One page a day.**
   Each day has 8 quick facts, 6 mixed questions and 1 word problem: 10 to 20 minutes, pencil and paper, no calculator.
3. **Stuck? Use the tip sheets.**
   Every question shows a tip number. The tip sheets near the front explain each topic with worked examples and a common mistake.
4. **Check it together.**
   Use the answer key at the back, which shows how to solve every word problem. Rework one mistake together each day.
5. **Finish strong.**
   After day 30, take the finish test. Write both scores on the progress chart and see how far your child has come.

## What it covers

| | |
|---|---|
| Decimals | adding, subtracting and rounding to hundredths (5.NBT.3-4, 5.NBT.7) |
| Decimal × and ÷ | by 10, 100 and 1,000, by whole numbers (5.NBT.2, 5.NBT.7) |
| Whole numbers | multi-digit multiplying, 2-digit divisors (5.NBT.5-6) |
| Fractions | unlike denominators, multiplying, dividing unit fractions (5.NF.1-7) |
| Expressions | order of operations, powers of 10 (5.OA.1, 5.NBT.2) |
| Volume | volume of a box (5.MD.3-5) |
| Conversions | metric and customary units (5.MD.1) |
| Word problems | money, distances, fractions of groups (5.NF.6, 5.NBT.7) |

How the 30 days build

| | |
|---|---|
| Days 1–10 | Getting started: tenths, 2-digit × 2-digit, adding unlike fractions. |
| Days 11–20 | Building up: hundredths, decimal × whole number, multiplying fractions. |
| Days 21–30 | Challenge: mixed decimal places, dividing fractions, 3-digit quotients. |

Days 10, 20 and 30 are review days: a good time to look back at the scores together.

## Stuck on a topic?

Every topic has free lessons, games and level quizzes at mathifykids.com, for example mathifykids.com/decimals and mathifykids.com/fractions. The free grade 5 check-up at mathifykids.com/math-check-up shows which topics need the most work. Scan the code to start it.

FREE CHECK-UP

TIP SHEET 4

# Adding and subtracting fractions

## The big idea

You can only add or subtract fractions with the same bottom number. Rename them with a common denominator first.

PRACTICE ONLINE

### EXAMPLE 2/3 + 1/4

$$\frac{2}{3} + \frac{1}{4} = \frac{11}{12}$$

1. A common denominator for 3 and 4 is 12.
2. 2/3 = 8/12 and 1/4 = 3/12.
3. 8/12 + 3/12 = 11/12.

### EXAMPLE 1/2 − 1/7

$$\frac{1}{2} - \frac{1}{7} = \frac{5}{14}$$

1. A common denominator for 2 and 7 is 14.
2. 1/2 = 7/14 and 1/7 = 2/14.
3. 7/14 − 2/14 = 5/14.

### WATCH OUT

Never add the bottoms: 1/2 + 1/3 is not 2/5. It is 3/6 + 2/6 = 5/6. Simplify your answer when you can: 6/8 = 3/4.

## Your turn

1. 1/3 + 1/6 = ? _____
2. 3/4 − 2/5 = ? _____
3. 2 1/2 + 1/3 = ? _____

Work space

Answers: 1. 3/6 = 1/2  2. 7/20  3. 2 5/6

# Day 1

Getting started
Day one. Let's go!

Name _____ Date _____ Score _____ / 15

## Warm-up • Facts

TIP 3

1. 11 × 9 = _____
2. 8 × 5 = _____
3. 48 ÷ 6 = _____
4. 9 × 8 = _____
5. 4 × 8 = _____
6. 70 ÷ 7 = _____
7. 6 × 12 = _____
8. 3 × 7 = _____

## Mixed practice

9. Round 5.828 to the nearest hundredth. TIP 1

_____

10. TIP 2

$1.53 \times 10 =$ _____

11. TIP 3

$1{,}968 \div 48 =$ _____

12. Add or subtract. Simplify. TIP 4

$\frac{4}{5} - \frac{2}{3} =$ _____

13. TIP 2

$10^3 =$ _____

14. TIP 7

2 yd = _____ ft

## Word problem

TIP 8

15. A fish tank is 20 in long, 11 in wide and 10 in tall. What is its volume?

Answer _____

Show your work:

RIDDLE OF THE DAY (answer in the key)
How many legs do 3 cats and 3 chickens have?

# Day 2

Getting started
Nice start. Keep it rolling!

Name _____ Date _____ Score _____ / 15

## Warm-up • Facts

TIP 3

1. 12 × 8 = _____
2. 4 × 8 = _____
3. 54 ÷ 6 = _____
4. 6 × 3 = _____
5. 10 × 9 = _____
6. 40 ÷ 8 = _____
7. 9 × 9 = _____
8. 8 × 7 = _____

## Mixed practice

9. Subtract. TIP 1

$$\begin{array}{r} 34.6 \\ -\ 7.5 \\ \hline \end{array}$$

10. Multiply. TIP 3

$$\begin{array}{r} 27 \\ \times\ 12 \\ \hline \end{array}$$

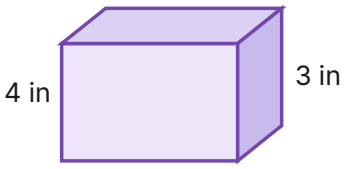
11. TIP 3

$2{,}556 \div 36 =$ _____

12. Find the fraction of the number. TIP 5

$\frac{1}{5}$ of 25 = _____

13. What is the volume of the box? TIP 7




_____ cubic in

14. Round 5.554 to the nearest tenth. TIP 1

_____

## Word problem

TIP 8

15. There are 24 students in a class. 3/4 of them walk to school. How many students walk?

Show your work:

Answer _____

RIDDLE OF THE DAY (answer in the key)
I'm thinking of a number. Double it and add 3. You get 15. What is my number?

# Answer key

Days 1–2

## Day 1

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1. | 99 | tip 3 | 6. | 10 | tip 3 | 11. | 41 | tip 3 |
| 2. | 40 | tip 3 | 7. | 72 | tip 3 | 12. | 2/15 | tip 4 |
| 3. | 8 | tip 3 | 8. | 21 | tip 3 | 13. | 1,000 | tip 2 |
| 4. | 72 | tip 3 | 9. | 5.83 | tip 1 | 14. | 6 | tip 7 |
| 5. | 32 | tip 3 | 10. | 15.3 | tip 2 | 15. | 2,200 cubic in | tip 8 |

How to solve 10: 10 has 1 zero, so move the digits 1 place left; 1.53 × 10 = 15.3
How to solve 15: 20 × 11 = 220; 220 × 10 = 2,200
Riddle: 18

## Day 2

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1. | 96 | tip 3 | 6. | 5 | tip 3 | 11. | 71 | tip 3 |
| 2. | 32 | tip 3 | 7. | 81 | tip 3 | 12. | 5 | tip 5 |
| 3. | 9 | tip 3 | 8. | 56 | tip 3 | 13. | 72 cubic in | tip 7 |
| 4. | 18 | tip 3 | 9. | 27.1 | tip 1 | 14. | 5.6 | tip 1 |
| 5. | 90 | tip 3 | 10. | 324 | tip 3 | 15. | 18 students | tip 8 |

How to solve 10: 27 × 2 = 54; 27 × 10 = 270; 54 + 270 = 324
How to solve 15: 24 ÷ 4 = 6; 6 × 3 = 18
Riddle: 6


## Enjoyed the sample? Get all 30 days.

The full workbook has 30 daily pages that get harder week by week, 8 tip sheets with worked examples, start and finish tests, a progress chart, a certificate and the full answer key. Print it as many times as you like for your family or class.

mathifykids.com/printable-math-workbooks/