Long Division & Pre-Algebra Reasoning

Week 26W47 • Ages 9–10 • 5-Day Practice Routine

Includes 5 practice pages, 1 answer page, and 1 certificate

QUICK START FOR PARENT/TEACHER

INTRODUCE THE IDEA IN UNDER 2 MINUTES.

Step 1: Introduce the concept with a quick real-life example the child already understands.

Step 2: Let the child explain one example aloud before writing answers.

Step 3: Use the worksheet sequence from easy to challenge and review errors gently.

TEACHING TIPS & EXTRA PRACTICE

Scan for deeper teaching guidance, concept help, and extra practice ideas.

Learn more and teaching tips

www.penciling.in/teaching-tips

Open on any phone camera.

THIS WORKBOOK BELONGS TO:

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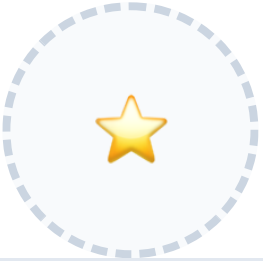
My Weekly Star Tracker

Week 26W47 • age-9-10 • Long Division & Pre-Algebra Reasoning

Complete your daily practice and check off each day. When you finish all 5 days, you earn your weekly mastery sticker!

- [ ] Monday
- [ ] Tuesday
- [ ] Wednesday
- [ ] Thursday
- [ ] Friday

PLACE FINAL STICKER HERE



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MON Easy

Day 1: Long Division (Even Quotients)

Day 1 of 5 • 9 problems • divide and find quotient and remainder

Instructions: Divide each dividend by the divisor. Write the quotient and any remainder (e.g., 24 R 3).

Name: _____ Date: _____

#01

$8\overline{)24}$

#02

$2\overline{)12}$

#03

$3\overline{)12}$

#04

$7\overline{)49}$

#05

$4\overline{)28}$

#06

$8\overline{)16}$

#07

$3\overline{)21}$

#08

$3\overline{)24}$

#09

$9\overline{)18}$

Score: ____ / 9

Great Job: ★ ★ ★ ★ ★

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TUE Easy

Day 2: Two-Step Operator Equations

Day 2 of 5 • 12 problems • fill in +, -, ×, or ÷ to make the equation true

Instructions: Fill in the missing mathematical operator (+, -, ×, or ÷) in the circle to make each equation correct.

Name: _____ Date: _____

#01

32 ? 16 = 16

#02

27 ? 14 = 41

#03

10 ? 29 = 39

#04

15 ? 5 = 10

#05

30 ? 11 = 41

#06

12 ? 30 = 42

#07

66 ? 3 = 63

#08

27 ? 8 = 35

#09

15 ? 6 = 9

#10

23 ? 5 = 18

#11

36 ? 28 = 64

#12

21 ? 4 = 17

Score: ____ / 12

Great Job: ☆ ☆ ☆ ☆ ☆

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WED Medium

Day 3: Long Division with Remainders

Day 3 of 5 • 9 problems • divide and find quotient and remainder

Instructions: Divide each dividend by the divisor. Write the quotient and any remainder (e.g., 24 R 3).

Name: _____ Date: _____

#01

$6\overline{)292}$

#02

$9\overline{)444}$

#03

$4\overline{)167}$

#04

$8\overline{)709}$

#05

$9\overline{)416}$

#06

$4\overline{)97}$

#07

$9\overline{)404}$

#08

$9\overline{)664}$

#09

$5\overline{)228}$

Score: ____ / 9 Great Job: ☆ ☆ ☆ ☆ ☆

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THU Medium

Day 4: Fraction Simplification & Addition

Day 4 of 5 • 10 problems • solve fraction arithmetic and simplify

Instructions: Add or subtract the fractions. Express your answer in simplest terms.

Name: _____ Date: _____

#01

$\frac{2}{3} + \frac{1}{5} = ____$

#02

$\frac{2}{3} + \frac{1}{2} = ____$

#03

$\frac{3}{4} - \frac{1}{2} = ____$

#04

$\frac{1}{3} + \frac{2}{4} = ____$

#05

$\frac{3}{4} - \frac{1}{5} = ____$

#06

$\frac{1}{2} - \frac{2}{4} = ____$

#07

$\frac{1}{3} + \frac{1}{2} = ____$

#08

$\frac{2}{3} - \frac{2}{4} = ____$

#09

$\frac{1}{4} + \frac{2}{6} = ____$

#10

$\frac{3}{6} - \frac{1}{5} = ____$

Score: ____ / 10 Great Job: ★ ★ ★ ★ ★

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FRI Hard

Day 5: Strategy Lab Deduction & Logic

Day 5 of 5 • Deduction, Optimization & Strategy

Instructions: Complete each challenge and write your strategy clearly.

Name: _____ Date: _____

#01

Use all clues to assign each student one snack.

Names: Asha, Ravi, Noor

Snacks: Idli, Dosa, Poha

Clues: Asha not Poha; Ravi not Dosa; Noor not Idli

#02

Visit every point once with the fewest steps.

Points: A, B, C, D, E

Best route: [ ]

Total steps: [ ]

#03

Find each rule and justify your answer.

7, 13, 25, 49, [ ] (because [ ])

4, 9, 19, 39, [ ] (because [ ])

#04

Use digits 2, 3, 4, 6 once each to make 24.

Expression: [ ]

Second method: [ ]

Score: ____ / 4 Great Job: ★ ★ ★ ★ ★

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Answer Key

Consolidated answers for Days 1–5

DAY 1: DAY 1: LONG DIVISION (EVEN QUOTIENTS) (Mon · easy)

1. 3 | 2. 6 | 3. 4 | 4. 7 | 5. 7 | 6. 2 | 7. 7 | 8. 8 | 9. 2

DAY 2: DAY 2: TWO-STEP OPERATOR EQUATIONS (Tue · easy)

1. 32 - 16 = 16 | 2. 27 + 14 = 41 | 3. 10 + 29 = 39 | 4. 15 - 5 = 10 | 5. 30 + 11 = 41 | 6. 12 + 30 = 42 | 7. 66 - 3 = 63 | 8. 27 + 8 = 35 | 9. 15 - 6 = 9 | 10. 23 - 5 = 18 | 11. 36 + 28 = 64 | 12. 21 - 4 = 17

DAY 3: DAY 3: LONG DIVISION WITH REMAINDERS (Wed · medium)

1. 48 R 4 | 2. 49 R 3 | 3. 41 R 3 | 4. 88 R 5 | 5. 46 R 2 | 6. 24 R 1 | 7. 44 R 8 | 8. 73 R 7 | 9. 45 R 3

DAY 4: DAY 4: FRACTION SIMPLIFICATION & ADDITION (Thu · medium)

1. 13/15 | 2. 7/6 | 3. 1/4 | 4. 5/6 | 5. 11/20 | 6. 0 | 7. 5/6 | 8. 1/6 | 9. 7/12 | 10. 3/10

DAY 5: DAY 5: STRATEGY LAB DEDUCTION & LOGIC (Fri · hard)

1. Asha-Dosa, Ravi-Idli, Noor-Poha | 2. Multiple valid minimum-step solutions | 3. 97 and 79 | 4. (6-3)*4*2 = 24 or (6/(3-2))*4 = 24

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CERTIFICATE OF ACHIEVEMENT

Math Champion Award

This is proudly presented to

Student Name

For successfully completing all 5 practice pages in the **Long Division & Pre-Algebra Reasoning** workbook series!

For successfully completing all practice challenges in this workbook series!



DATE

OFFICIAL SEAL

TEACHER / PARENT

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