

The Dragon's Treasure Divide

Long Division — split the hoard fairly so no dragon breathes fire.

Name: _____ Date: _____

Quest 1 of 4

Divide. Write the quotient on top, and the remainder (if any) as R__.

1 $6 \overline{) 648}$

2 $3 \overline{) 434}$

3 $8 \overline{) 1360}$

4 $6 \overline{) 910}$

5 $25 \overline{) 16844}$

6 $19 \overline{) 14652}$

7 $22 \overline{) 14354}$

8 $24 \overline{) 9190}$

- 9 A dragon hoards 1,248 gold coins and shares them equally among its 8 hatchlings. How many coins does each hatchling get?

Answer: _____

- 10 The Unicorn Express carries 2,345 enchanted apples in crates of 7. How many full crates are there, and how many apples are left over?

Answer: _____

Unicorn Rainbow Potions

Fraction Addition — mix the potions. Find a common denominator first!

Name: _____ Date: _____

Quest 2 of 4

Add. Simplify your answer. Change improper fractions to mixed numbers.

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

2 $\frac{2}{3} + \frac{2}{3} =$ _____

3 $\frac{1}{6} + \frac{1}{3} =$ _____

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

5 $\frac{1}{2} + \frac{1}{6} =$ _____

6 $\frac{1}{3} + \frac{1}{2} =$ _____

7 $\frac{1}{6} + \frac{1}{4} =$ _____

8 $\frac{1}{10} + \frac{1}{5} =$ _____

- 9 Sparkle the unicorn drinks $\frac{3}{4}$ of a bucket of rainbow water in the morning and $\frac{5}{8}$ of a bucket in the evening. How many buckets in all?

Answer: _____

- 10 A dragon flies $\frac{2}{3}$ of a mile to the castle, then $\frac{1}{6}$ of a mile to the lake. How far did it fly?

Answer: _____

The Dragon Snack Thief

Fraction Subtraction — find out how much is left after the dragon raids the pantry.

Name: _____ Date: _____

Quest 3 of 4

Subtract. Simplify your answer.

1 $\frac{4}{5} - \frac{1}{10} =$ _____

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

3 $\frac{2}{5} - \frac{1}{3} =$ _____

4 $\frac{5}{6} - \frac{1}{4} =$ _____

5 $\frac{1}{2} - \frac{1}{4} =$ _____

6 $\frac{1}{2} - \frac{1}{4} =$ _____

7 $\frac{5}{6} - \frac{1}{4} =$ _____

8 $\frac{1}{2} - \frac{1}{3} =$ _____

- 9 A wizard's cauldron holds $\frac{7}{8}$ of a potion. A thirsty dragon slurps $\frac{1}{4}$ of it. How much potion is left?

Answer: _____

- 10 Sparkle had $\frac{5}{6}$ of a bag of moonberries and gave $\frac{1}{3}$ to a baby dragon. What fraction remains?

Answer: _____

Enchanted Field Fractions

Fraction Multiplication — a fraction OF a fraction. Multiply across, then simplify.

Name: _____ Date: _____

Quest 4 of 4

Multiply. Simplify your answer. (Hint: cross-cancel before you multiply!)

1 $\frac{1}{3} \times \frac{5}{6} =$ _____

2 $\frac{1}{2} \times \frac{1}{4} =$ _____

3 $\frac{1}{6} \times \frac{1}{4} =$ _____

4 $\frac{4}{7} \times \frac{5}{8} =$ _____

5 $\frac{1}{2} \times \frac{1}{2} =$ _____

6 $\frac{5}{7} \times \frac{4}{5} =$ _____

7 $\frac{4}{7} \times \frac{5}{8} =$ _____

8 $\frac{3}{5} \times \frac{1}{4} =$ _____

- 9 A unicorn's field is $\frac{3}{4}$ of an acre. Dandelions cover $\frac{2}{3}$ of the field. What fraction of an acre is dandelions?

Answer: _____

- 10 A dragon egg takes $\frac{5}{6}$ of a year to hatch. One tired dragon mom has spent $\frac{3}{5}$ of that time waiting. What fraction of a year has passed?

Answer: _____

Answer Key (for the Grown-Up Wizard)

Page 1 — Long Division

- | | | | |
|-----------------------------|-----------|------------|------------|
| 1. 108 | 2. 144 R2 | 3. 170 | 4. 151 R4 |
| 5. 673 R19 | 6. 771 R3 | 7. 652 R10 | 8. 382 R22 |
| 9. 156 coins | | | |
| 10. 335 crates, 0 left over | | | |

Page 2 — Fraction Addition

- | | | | |
|--|-------------------|-------------------|-------------------|
| 1. $\frac{13}{15}$ | 2. $1\frac{1}{3}$ | 3. $\frac{1}{2}$ | 4. $1\frac{1}{6}$ |
| 5. $\frac{2}{3}$ | 6. $\frac{5}{6}$ | 7. $\frac{5}{12}$ | 8. $\frac{3}{10}$ |
| 9. $\frac{11}{8} = 1\frac{3}{8}$ buckets | | | |
| 10. $\frac{5}{6}$ mile | | | |

Page 3 — Fraction Subtraction

- | | | | |
|----------------------------------|------------------|-------------------|-------------------|
| 1. $\frac{7}{10}$ | 2. $\frac{1}{4}$ | 3. $\frac{1}{15}$ | 4. $\frac{7}{12}$ |
| 5. $\frac{1}{4}$ | 6. $\frac{1}{4}$ | 7. $\frac{7}{12}$ | 8. $\frac{1}{6}$ |
| 9. $\frac{5}{8}$ of the cauldron | | | |
| 10. $\frac{1}{2}$ bag | | | |

Page 4 — Fraction Multiplication

- | | | | |
|------------------------|------------------|-------------------|-------------------|
| 1. $\frac{5}{18}$ | 2. $\frac{1}{8}$ | 3. $\frac{1}{24}$ | 4. $\frac{5}{14}$ |
| 5. $\frac{1}{4}$ | 6. $\frac{4}{7}$ | 7. $\frac{5}{14}$ | 8. $\frac{3}{20}$ |
| 9. $\frac{1}{2}$ acre | | | |
| 10. $\frac{1}{2}$ year | | | |