Mathematics | Grade 4

I G ade 4, c a e d f c ee c ca a ea : (1) de e g de a d g a d e c -d g ca , a d de e g de a d g f d d g . d e g -d g d de d ; (2) de e g a de a d g ff ac e a e ce, add a d b ac ff ac e de a , a d ca ff ac b e be ; (3) de a d g a ge e c. g e ca be a a ed a d c a . ed ba ed e e e , c a a g a e de , d c a de , c a a g e ea e , a d e .

(1) S de ge e a e e de a d g f ce a e 1,000,000, de a d g e ea e e f be eac ce. T e a e de a d g f de f ca (e a- ed g , a a , a ea de), ce a e, a d e f a , c a e d b e , a e de e d c , a d ee ef. c e , acc a e, a d ge e a ab e e d c e d c f -d g e be . De d g e be a d e c e , e ee c a d acc a e a a a a e e d e a e e a ca c a e d c . T e de e e c ef. c e ced e f g e be ; de a d a de e ced e ba ed ce a e a d e f a ; a d e e e be . S de a e de a d g f de f d , ce a e, e f a , a d e e a f d ca a e de e d c , a d ee ef. c e , acc a e, a d ge e a ab e ced e . d e g -d g d de d . T e ee c a d acc a e a a a e e d e a e a d e a ca c a e e , a d e e e a de ba ed e c e .

(2) S de de e de a d g ff ac e a e ce a d a f ac . T e ec g e a d ffe e f ac ca be e a (e.g., 15/9 = 5/3), a d e de e e d f ge e a g a d ec g g e a e f ac . S de e e d e de a d g ab f ac a e b f f ac , c g f ac f f ac , dec g f ac f ac , a d g e ea g ff ac a d e ea g f ca a f ac b a e be .

(3) S de de c be, a a e, c e, a d c a f -d e a a . T g b d g, d a g, a d a a g -d e a a , de dee e de a d g f e f -d e a bec a d e e f e e be g e .

Grade 4 Overview

Operations and Algebraic Thinking

- **Use the four operations with whole numbers to solve problems.**
- **Gain familiarity with factors and multiples.**
- **Generate and analyze patterns.**

Number and Operations in Base Ten

- **Generalize place value understanding for multi-digit whole numbers.**
- **Use place value understanding and properties of operations to perform multi-digit arithmetic.**

Number and Operations—Fractions

- **Extend understanding of fraction equivalence and ordering.**
- **Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.**
- **Understand decimal notation for fractions, and compare decimal fractions.**

Measurement and Data

- **Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.**
- **Represent and interpret data.**
- **Geometric measurement: understand concepts of angle and measure angles.**

Geometry

- **Draw and identify lines and angles, and classify shapes by properties of their lines and angles.**

Mathematical Practices

1. Ma e e e f be a d e e e g e .
2. Rea ab ac a d a a e .
3. C c abe a g e a d c e e ea g f e .
4. M de a e a c .
5. U e a a e a eg ca .
6. A e d ec .
7. L f a d a e e f c e.
8. L f a de e eg a e a ed ea g.

6. F d e- be e a d e a de f -d g d de d a d e-d g d , g a eg e ba ed ace a e, e e e f a , a d/ e e a be ee ca a d d . I a e a d e a e ca c a b g e a , ec a g a a a , a d/ a ea de .

Number and Operations—Fractions[3] 4.NF

Extend understanding of fraction equivalence and ordering.

1. E a a f ac *a/b* e a e a f ac (*n* *a*)/(*n* *b*) b g a f ac de , a e e be a d e f e a d ffe e e g e f ac e e e a e e a e e. U e c e ec g e a d ge e a e e a e f ac .

2. C e f ac d ffe e e a a d d ffe e de a , e.g., b c ea g c de a e a , b c a g a be c a f ac c a 1/2. Rec g e a c a a e a d e e f ac efe e a e e. Rec d e e f c a b >, =, <, a d f e c c , e.g., b g a a f ac de .

Build fractions from unit fractions by applying and extending TTTTyh38RD[illegible]a-1b5w.a5x[illegible] fractions by apply.TTTTTTTTTTTTTR.rd1–Tea[illegible]T

Understand decimal notation for fractions, and compare decimal fractions.

5. E e

6. Mea e a g e e- be deg ee g a ac . S e c
a g e