Ma e a c G ade 3

I Gade 3, c a e df c f c ca a ea : (1) de e g de ad g f ca add ad aege f ca add 100; (2) de e g de ad g ffac, e ca fac (fac ea 1); (3) de e g de ad g f e c e fecagaaa ad f a ea; ad (4) de c b gadaa g - d e a a d.

> (1) S de de e a de a de g feea g faca a d d febe gacead be g e a edga a a, a da ea de; ca de a d c, a d d de ga facee a .Fea edga a, de ca e e d g e be fga e ga e.S de e be fga e ga e.S de e cea ga ca eda aegeba ed e e a e e ca a d d b b ge de fac.B c a ga a e face, de ea e ea be ee a ca a d d

(2) S de dee à de adg ffac, beg g
fac. S de e fac geeaa begb f
fac, ad e efac a g a fac de
e è e à fa e.S de de ad a e e fa
fac a à ea e e e f e e.F ea è, 1/2 f e
à a b c e c d bee à a 1/3 f e à a age
b c e, b 1/3 fa bb ge a 1/5 f e a e bb beca e

Operations and Algebraic Thinking

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Maa

Operations and Algebraic Thinking

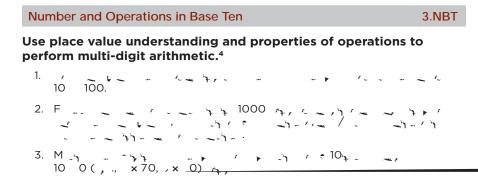
3.OA

Represent and solve problems involving multiplication and division.

- 1. I e here d c f e be , e.g., e here 5 7 a e a be f b ec 5 g here f b ec eac . For example, describe a context in which a total number of objects can be expressed as 5 7.
- 3. Ue ca add 100 e dobe a geag ca a, ad ea e e a e, e.g., b gda gade a a b f e be e ce e co be .¹
- 4. Define e e e e be a ca d e a eag ee e be . For example, determine the unknown number that makes the equation true in each of the equations 8 ? = 48, 5 = 3, 6 6 = ?.

Understand properties of multiplication and the relationship between multiplication and division.

5. A 2 2 2 e f 2 a a a ege 2 a d
d de.² Examples: If 6 4 = 24 is known, then 4 6 = 24 is also known.
(Commutative property of multiplication.) 3 5 2 can be found by 3
5 = 15, then 15 2 = 30, or by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 DELATION (Commutative property of by 5 2 = 10, then 3 JECTIN 3 JEC



2. Mea eade ae d eadae fbec g adad fga (g), ga (g), ade ().⁶ Add, bac, a, dde e e-ead dabe g a e e aaege e a e , e.g., b g da g (c a abeae a ea e e cae) eae e abe .⁷

Represent and interpret data.

- 3. Da a caed 2 e g a 2 a da caed ba g a 2 e 2 e a da a e e a caeg e . S e e a d e 2 a e a d a e 2 b e g f a 2 e e d caed ba g a 2. For example, draw a bar graph in which each square in the bar graph might represent 5 pets.
- 4. Geeaeeaee daabea geg geaed aeadf fac.Sedaabagae , eee acae aedffa e be, ae, ae.

Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

- 5. Recgeaeaaaa bef 着 e.gead de ad cce 🎜 faea ea ee.
 - a. A a ede e g 1, ca ed aa e, a da eefa ea, a d ca beedea ea ea.
 - b. A de ge c ca bec eed gade e adb n ae ad aea aea fn ae .
- 6. Mea eaeabc g ae (aec, ae, ae , aef,ad 🎜 ed).
- 7. Reaeaea e \mathscr{A} a f \mathscr{A} ca adadd .
 - a. F d eaea faecage e- be deeg b
 g, a d a eaea e a e a dbef db
 g e deeg.
 - b. M deeg , daea fecage ebe deeg ^rec e f gea dad a e a ca - be , a d e - ASS BASEX (e- be 35 BASEX (bSB5)558X (bSB5)58X (bSB5)

💵 d 🎜 be ,

Geometry

3.G

Reason with shapes and their attributes.

- 1. U de ad a a dffee caeg e (e.g., b e, ecage, ad e) a aea b e (e.g., a gf de), ad a e aeda b e cade eaage caeg (e.g., ad aea). Rec g e b e, ecage, ad aea ea f ad aea, adda ea f ad aea a d be g a f ee bcaeg e.
- 2. Pa a a a f ac f e a a ea . E a e a ea f eac a a f ac f e e. For example, partition a shape into 4 parts with equal area, and describe the area of each part as 1/4 of the area of the shape.