

Mathematics | Grade 1

In Grade 1, students are expected to understand operations with whole numbers: (1) understand addition and subtraction within 20; (2) understand and apply properties of addition and subtraction within 20; (3) understand and apply properties of multiplication and division within 100; and (4) understand and apply properties of multiplication and division within 100.

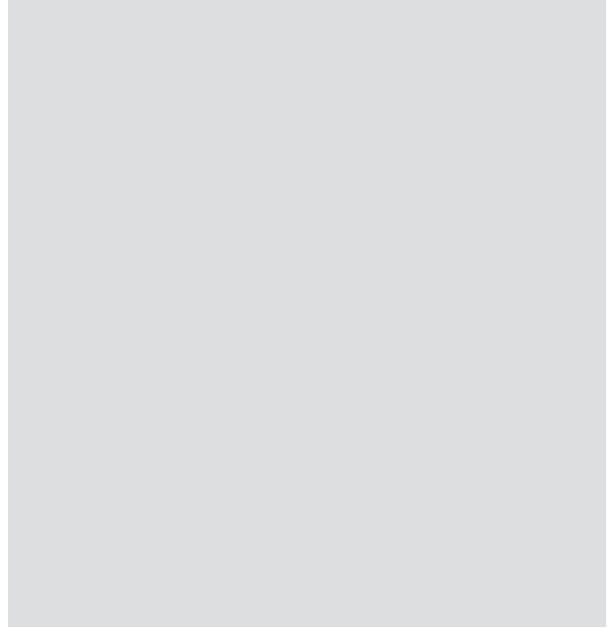
(1) Students understand addition and subtraction within 20. They understand the relationship between addition and subtraction, and use this relationship to solve problems. They understand the meaning of the plus sign (+) and the minus sign (-). They understand that addition and subtraction are inverse operations. They understand that addition and subtraction are commutative and associative. They understand that addition and subtraction are used to find the unknown in any position of a word problem. They understand that addition and subtraction are used to find the unknown in any position of a word problem. They understand that addition and subtraction are used to find the unknown in any position of a word problem.

(2) Students understand multiplication and division within 100. They understand the relationship between multiplication and division, and use this relationship to solve problems. They understand the meaning of the multiplication sign (×) and the division sign (÷). They understand that multiplication and division are inverse operations. They understand that multiplication and division are commutative and associative. They understand that multiplication and division are used to find the unknown in any position of a word problem. They understand that multiplication and division are used to find the unknown in any position of a word problem. They understand that multiplication and division are used to find the unknown in any position of a word problem.

Grade 1 Overview

Operations and Algebraic Thinking

















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



3. C  e -dg be ba ed ea g f e e a d e
dg , ec dg e e fc  e b >, =, a d <.

Use place value understanding and properties of operations to add and subtract.

4. Add 100, c d g add ga -dg be a da e-dg
be, a d add ga -dg be a da  f 10, gc c ee
de da g a d a ege ba ed  ce a e,  e f
 a , a d/ e ea  ee add a d b ac ;
eae e a eg a e e da de  e ea g ed.
U de a d a add g -dg be , e add e a de , e
a d e; a d e e e ce a c  eae .
5. G e a -dg be , e a : d 10 e 10 e a e
be , a g c ; e  e ea g ed.
6. S b ac  f 10 e a ge 10-90 f  f 10 e
a ge 10-90 ( e e d ffe e ce), gc c ee de
da g a d a ege ba ed  ce a e,  e f  a ,
a d/ e ea  ee add a d b ac ; eae e
a eg a e e da de  e ea g ed.

Measurement and Data 1.MD





Measure lengths indirectly and by iterating length units.

1. O de ee bec b e g ; c  e e e g f bec
d ec b ga d bec .
2. E  e e g fa bec a a e be f e g , b
a g  c  fa e bec (e e g) e d e d ;
de a d a e e g ea e e fa bec e be
f a e- e e g a  ga  e a  . *Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.*

Tell and write time.



















3. Te a d e e a d af- ga a g a d d g a
c c .

Represent and interpret data.

4. O ga e, e  e , a d e  da a  ee ca eg e ; a
a da e e ab e a be f da a  , a
eac ca eg , a d a e e a e e ca eg a
a e .

Geometry 1.G

Reason with shapes and their attributes.

1. D g be ee de ga b e (e.g., a ge a ec ed a d
ee- ded) e  -de ga b e (e.g., c , e a ,
ea e); b da d d a  a  e de ga b e .
2. C  e -d e a a  (e c a ge , ae , a  d ,
a ge , af- c ce , a d a e- c ce) ee- d e a a 
(c be , g ec a g a  , g c c a c e , a d g c c a
c de) ceaeac  e a  a dc  e e a  f
e c  e a  .⁴
3. Pa c ce a d ec a ge a df e a a e , de c be
e ae g e d halves, fourths, a d quarters, a d e e
 a e half of, fourth of, a d quarter of. De c be e ea  f,
f f e ae . U de a df e e e a  a dec  g
ee a ae ceae a e ae .

⁴S de d eed ea f a a e c a g ec a g a  .