```
I G ade 6, c a e df c f c ca a ea :(1)
c ec g a a d a e b be Ea a dd
ad gc ce fa ad ae e be ; (2)c g
    de a d g fd ffac a de e d g e f be
    e e f a a be, c c de ega e be ;
(3)
    g, e g,ad ge& ade a ;ad(4)
de e &g de a d g f a ca g.
```

    (1) S de ea ea add e
    a adae be ab a e.B e ge ae a
    adae a de gf , a de ed g, f (c)
        e Ba abea aba a \(\quad\) ada \(g\) a dcae
        e ea e f a e, de c ec e de ad g f
    
eda e bed $g$ edb e a ab.S de ea de c be
e , c de $g$ ec e c eda a e ec eced.
S de G ade6a b d a ea ee e a
c b ea gab ea $\quad$ a a dee ea ea,
face a ea, a d e. Te. daea fg age, e age,
ad Eca ad aea b dec $\quad$ g ee a ea ag g
e g Lece, a deag e a ecage.U g ee
$e d$, de $d$, de e for $f f$ a $f$ a $f$
a ge a d a ga.S de daea f g a d face

a ea e ca dee e.Te ea ab g ec a ga
$f a c \quad a \quad d e e g \quad e d f \quad a f$ e fag
ecagafactacteref
caeda $\quad$ a dc $\quad$ Gade $7 b$ da g $\quad$ g e
$c \quad d \quad a e$ e.





1. Ma e e e fobe a d e e e
2. Rea $a b$ ac a d a a e.
3. Cea abeag e adc e
4. $M$ de $\quad a \quad e \quad a c$.
5. U e a 2 a e a eg ca.
6. A e d Lec
7. $L f$ a d a e f ce.
8. $L_{\text {ea }} f \underset{g}{ }$ g $d e$ eg $a \quad$ ed

Understand ratio concepts and use ratio reasoning to solve problems.

1. U de a d ec ce fa a a d e a a g age de c be a a e a Se ee a e.For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."
2. Ude ad ec ce fa aea/ba caed a a a:b b O, a d e a e a g age ec e fa a ea For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is $3 / 4$ cup of flour for each cup of sugar." "We paid $\$ 75$ for 15 hamburgers, which is a rate of $\$ 5$ per hamburger." ${ }^{1}$
 $d a g a$, d be be edag a

Apply and extend previous understandings of numbers to the system of rational numbers.


expression $2(8+7)$ as a product of two factors; view $(8+7)$ as both a single entity and a sum of two terms.


For example, use the formulas $V=s^{3}$ and $A=6 s^{2}$ to find the volume and surface area of a cube with sides of length $s=\rrbracket / 2$.
3. A 2 e 2 e ge eaee ae e \&

For example, apply the distributive property to the expression $3(2+x)$ to produce the equivalent expression $6+3 x$; apply the distributive property to the expression $24 x+18 y$ to produce the equivalent expression $6(4 x+3 y)$; apply properties of operations to $y+y+y$ to produce the equivalent expression $3 y$.
 $b$ ed e ). For example, the expressions $y+y+y$ and $3 y$ are equivalent because they name the same number regardless of which number y stands for.

Reason about and solve one-variable equations and inequalities.


## Represent and analyze quantitative relationships between

 dependent and independent variables.
ga> a d abe, a d eae ee ee a. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation $d=65 t$ to represent the relationship between distance and time.

Solve real-world and mathematical problems involving area, surface area, and volume.

 ad a e a ca be
3. Da e ec dae egec daef e

ec $b e$
4. Re ee-d e a.ge ge ade fecage


