

## Write and interpret numerical expressions.


express the calculation "add 8 and 7, then multiply by 2 " as $2(8+7)$.
Recognize that $3 \quad(18932+921)$ is three times as large as $18932+921$,
without having to calculate the indicated sum or product.

## Analyze pattems and relationships.

 $g a \mathrm{a}$ de ed d a e. For example, given the rule "Add 3 " and the starting number 0 , and given the rule "Add 6" and the starting number 0 , generate terms in the resulting sequences, and observe that the terms in one sequence are twice the corresponding terms in the other sequence. Explain informally why this is so.

## Understand the place value system.



Perform operations with multi-digit whole numbers and with decimals to hundredths.

7. $\mathrm{A} \oplus$

Use equivalent fractions as a strategy to add and subtract fractions.

1. Add a d b ac fac
be )b e ofc gge fac
ede a ( c d g ed
e ae fac
e de a . For example, $2 / 3+5 / 4=8 / 12+15 / 12=23 / 12$. (In
general, $a / b+c / d=(a d+b c) / b d$.

## 2.


gadd a d b ac ffac
efe $g \quad e \quad a \quad e$
c d g e e f e a de
de a
a d be e e ffac e ae e a a da e e ea abe e fa e. MMIZmi]fl
a d c e c . For example, create a story context for (1/3) 4, and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that (1/3) $4=1 / 12$ because (1/12) $\quad 4=1 / 3$.
I e fa $d$ be b a fac a d
$c$ e $\quad$ e . For example, create a story context for
4 (1/5), and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that $4(1 / 5)=20$ because $20 \quad(1 / 5)=4$.


Graph points on the coordinate plane to solve real－world and mathematical problems．


Classify two－dimensional figures into categories based on their properties．
 For example，all rectangles have four right angles and squares are rectangles，so all squares have four right angles．
4．Ca f－ $\mathrm{d} \quad \mathrm{a}_{\mathrm{r}} \mathrm{g} \mathrm{e}$ a eac baed e．

