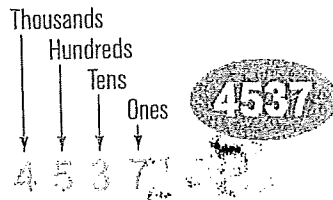
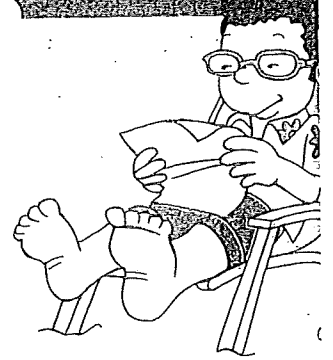


# 1

## Whole Numbers



4537 can be read as four thousand five hundred thirty-seven.



Write the numbers.

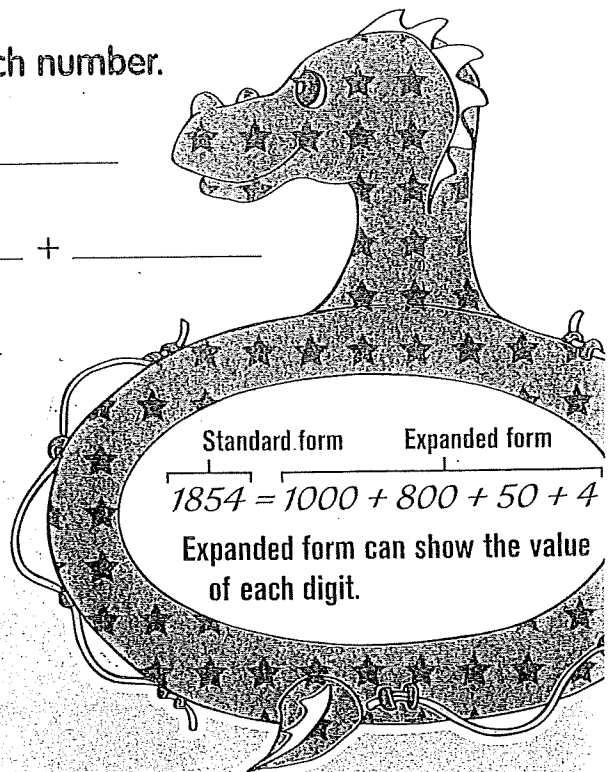
- ① 2 thousands 5 hundreds 1 ten \_\_\_\_\_
- ② 4 thousands 2 hundreds 6 tens 2 ones \_\_\_\_\_
- ③ One thousand nine hundred thirty-five \_\_\_\_\_
- ④ Six thousand three hundred seventy \_\_\_\_\_

Write the numbers in words.

- ⑤ 1465 \_\_\_\_\_
- ⑥ 2089 \_\_\_\_\_
- ⑦ 7214 \_\_\_\_\_
- ⑧ 6305 \_\_\_\_\_

Write the expanded form or standard form of each number.

- ⑨  $4435 = 4000 + \underline{\hspace{2cm}} + 30 + \underline{\hspace{2cm}}$
- ⑩  $2567 = 2000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$
- ⑪  $8310 = \underline{\hspace{2cm}} + 300 + \underline{\hspace{2cm}}$
- ⑫  $6027 = \underline{\hspace{2cm}} + 20 + \underline{\hspace{2cm}}$
- ⑬  $\underline{\hspace{2cm}} = 1000 + 90 + 2$
- ⑭  $\underline{\hspace{2cm}} = 2000 + 400$
- ⑮  $\underline{\hspace{2cm}} = 7000 + 500 + 60$



5 is in the tens column. It means 50.

8 2 5 9

2 is in the hundreds column. It means 200.

Write the place value and meaning of each highlighted digit.

⑩ 4 3 6 5 \_\_\_\_\_ ; \_\_\_\_\_

⑪ 6 2 3 9 \_\_\_\_\_ ; \_\_\_\_\_

⑫ 8 2 6 6 \_\_\_\_\_ ; \_\_\_\_\_

⑬ 5 4 8 1 \_\_\_\_\_ ; \_\_\_\_\_

⑭ 7 2 5 1 \_\_\_\_\_ ; \_\_\_\_\_

⑮ 6 5 9 8 \_\_\_\_\_ ; \_\_\_\_\_

⑯ 3 0 7 2 \_\_\_\_\_ ; \_\_\_\_\_

Fill in the missing numbers.

⑰ 4250 4251 \_\_\_\_\_ 4253 \_\_\_\_\_ \_\_\_\_\_ 4256

⑱ 8170 8270 \_\_\_\_\_ \_\_\_\_\_ 8570 \_\_\_\_\_ 8770

⑲ 9863 8863 \_\_\_\_\_ 6863 \_\_\_\_\_ \_\_\_\_\_ 3863

⑳ 5309 5209 \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ 4809 4709

Circle the greatest number in each group.

㉑ 2384 4832 2483 8234

㉒ 3718 3118 3281 3172

㉓ 8540 8504 8405 8450

㉔ 6205 6052 6520 6250

Put the numbers in order from greatest to least.

31 2380 3280 8230 8032

\_\_\_\_\_

32 1259 2519 1295 2195

\_\_\_\_\_

33 7432 2374 7324 3274

\_\_\_\_\_

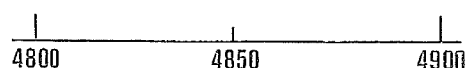
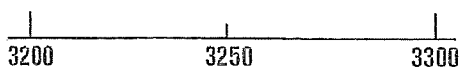
34 6201 6021 6102 6012

\_\_\_\_\_

Place the numbers on the number lines. Then round them to the nearest 100.

35 3275 is rounded to \_\_\_\_\_,

36 4816 is rounded to \_\_\_\_\_



37 a. 1468 is rounded to \_\_\_\_\_.

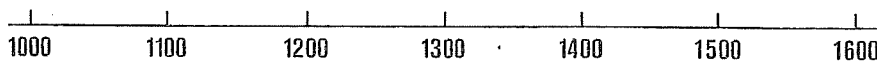
b. 1523 is rounded to \_\_\_\_\_

c. 1209 is rounded to \_\_\_\_\_.

d. 1055 is rounded to \_\_\_\_\_

e. 1084 is rounded to \_\_\_\_\_.

f. 1390 is rounded to \_\_\_\_\_



A number halfway between 2 numbers is rounded to the larger number.



I had a vacation. The amount shown on my bill is a 4-digit number. The digits are 7, 4, 9, and 1. I am so happy to pay this amount. Do you know how much I just need to pay?

38 \_\_\_\_\_



Read the clues. Find the weights of the animals and answer the questions.

- The cat weighs 5 g less than 3000 g.
- The dog weighs 20 g more than 6500 g.
- The weight of the cat and the fish differs by 1995 g. The fish is lighter than the cat.
- The rat weighs 248 g. The raccoon has the same weight as 10 rats.
- The rabbit is double the weight of the fish.

39 Cat: \_\_\_\_\_ g      Dog: \_\_\_\_\_ g      Fish: \_\_\_\_\_ g

Rat: \_\_\_\_\_ g      Raccoon: \_\_\_\_\_ g      Rabbit: \_\_\_\_\_ g

40 Which animals weigh more than 2500 g? \_\_\_\_\_

41 Which animal is the heaviest? \_\_\_\_\_

42 Which animal is the lightest? \_\_\_\_\_

43 Which two animals differ by 480 g in weight? \_\_\_\_\_

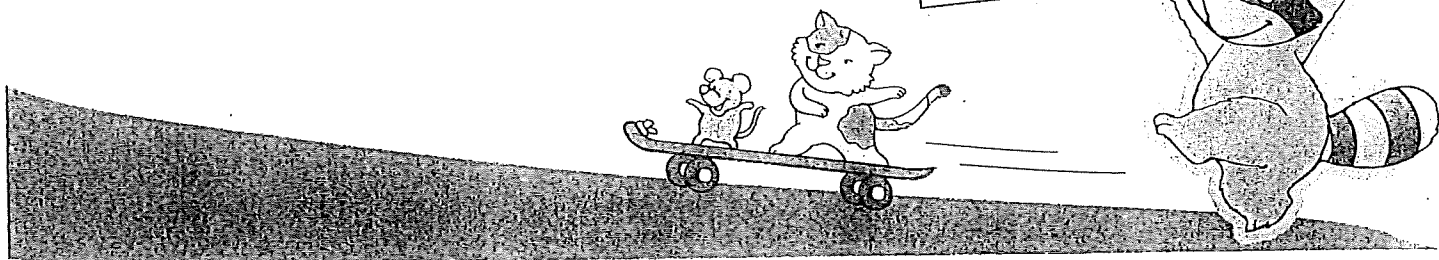
44 The weight of Uncle Ray is 10 times that of the dog's. How heavy is Uncle Ray?

\_\_\_\_\_

When you multiply a number by 10, 100, or 1000, you can just add 1, 2, or 3 zeroes to the right of that number.

e.g.  $25 \times 10 = 250$       add 1 zero

$3 \times 100 = 300$       add 2 zeroes

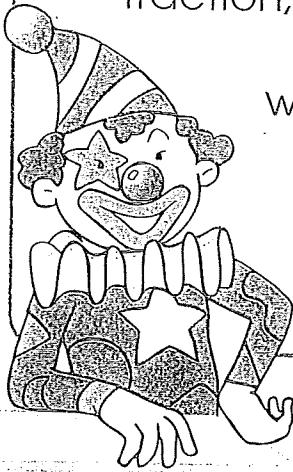


# 2 Fractions

Circle the correct answers.

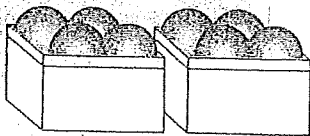
①

A fraction whose numerator is smaller greater than its denominator is called a proper fraction.  $\frac{4}{5}$   $\frac{7}{5}$  is an example of proper fraction. A fraction whose numerator is smaller greater than its denominator is called an improper fraction, such as  $\frac{3}{2}$   $\frac{4}{9}$ .

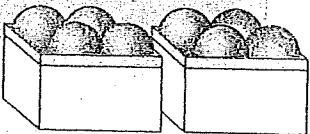


A number that is the sum of a whole number and a proper an improper fraction is called a mixed number;  $1\frac{3}{10}$  3 is a mixed number.

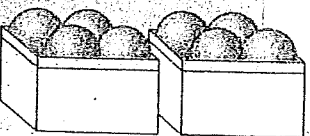
Look at the balls on the shelves. Fill in the blanks with fractions.



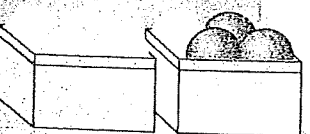
② \_\_\_\_\_ or \_\_\_\_\_ boxes of balls are red.  
Mixed number      Improper fraction



③ \_\_\_\_\_ or \_\_\_\_\_ boxes of balls are yellow.  
Mixed number      Improper fraction



④ \_\_\_\_\_ or \_\_\_\_\_ boxes of balls are purple.  
Mixed number      Improper fraction



⑤ \_\_\_\_\_ of a box of balls are green.

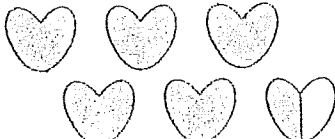
Help the clown throw the balls into the buckets with improper fractions. Colour the buckets.

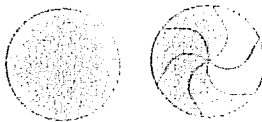
⑥


$\frac{4}{5}$	$1\frac{1}{2}$	$\frac{9}{5}$	$\frac{4}{3}$	$\frac{11}{6}$	$1\frac{3}{4}$
$1\frac{3}{9}$	$\frac{5}{4}$	$\frac{16}{7}$	$\frac{3}{8}$	$\frac{7}{2}$	$2\frac{1}{2}$
$\frac{7}{5}$	$\frac{8}{3}$	$\frac{4}{5}$	$\frac{8}{11}$	$\frac{6}{4}$	$\frac{15}{7}$

Write the mixed number represented by each group of diagrams.



⑦ \_\_\_\_\_

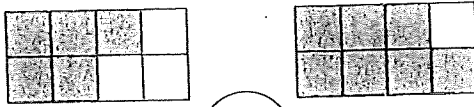

⑧  \_\_\_\_\_



⑨  \_\_\_\_\_

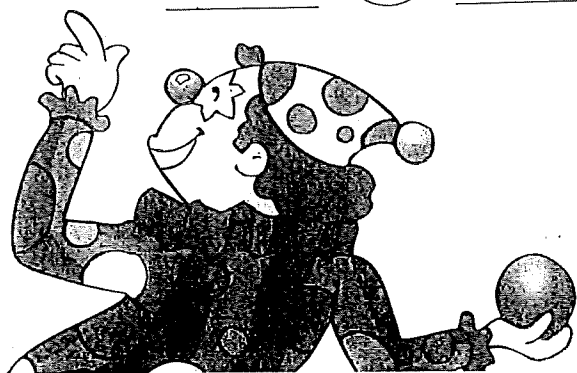
⑩  \_\_\_\_\_

Write a fraction for the shaded parts of each picture. Then compare the fractions and put > or < in the circles.

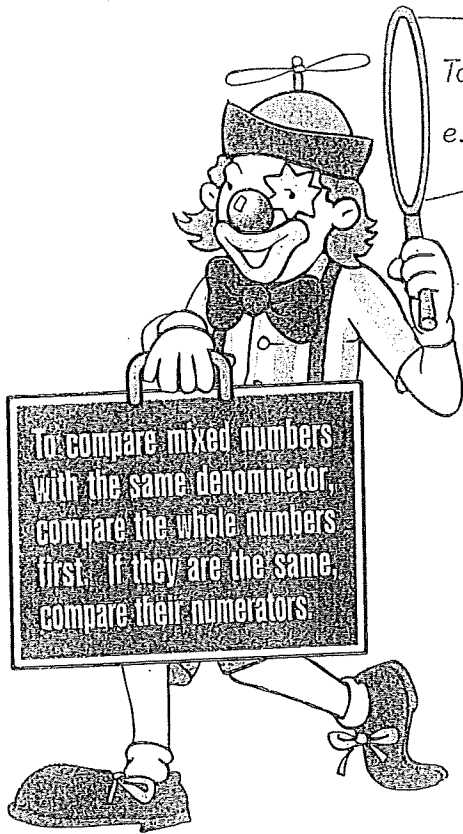
⑪   \_\_\_\_\_

⑫   \_\_\_\_\_

⑬   \_\_\_\_\_



Compare the fractions. Put  $>$  or  $<$  in the circles.



To compare fractions with the same denominator, compare their numerators.  
e.g.  $\frac{1}{5}$  is smaller than  $\frac{3}{5}$  because 1 is smaller than 3.

⑭  $\frac{5}{9}$  ○  $\frac{4}{9}$

⑮  $\frac{7}{10}$  ○  $\frac{6}{10}$

⑯  $\frac{4}{5}$  ○  $\frac{2}{5}$

⑰  $\frac{2}{8}$  ○  $\frac{3}{8}$

⑱  $\frac{7}{12}$  ○  $\frac{10}{12}$

⑲  $\frac{9}{10}$  ○  $\frac{5}{10}$

⑳  $1\frac{1}{3}$  ○  $1\frac{2}{3}$

㉑  $2\frac{5}{6}$  ○  $3\frac{1}{6}$

㉒  $4\frac{10}{11}$  ○  $3\frac{2}{11}$

㉓  $3\frac{1}{8}$  ○  $2\frac{7}{8}$

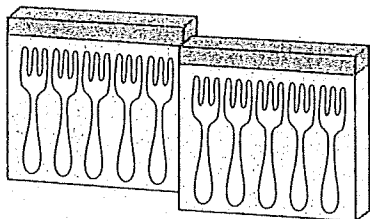
Put the fractions in order from greatest to least.

⑳  $\frac{5}{7}$     $\frac{1}{7}$     $\frac{2}{7}$     $\frac{4}{7}$

㉑  $1\frac{3}{10}$     $\frac{7}{10}$     $1\frac{9}{10}$     $\frac{2}{10}$

㉒  $2\frac{3}{9}$     $2\frac{7}{9}$     $2\frac{1}{9}$     $3\frac{4}{9}$

㉓  $3\frac{2}{6}$     $2\frac{3}{6}$     $2\frac{1}{6}$     $3\frac{5}{6}$



The clown has 2 sets of forks which are green, red, or purple.  
If  $1\frac{1}{5}$  boxes of forks are not purple and  $\frac{4}{5}$  of a box of forks are red, what fraction of a box of forks are green?

㉔ \_\_\_\_\_ of a box of forks are green.

Draw pictures to show each set. Then fill in the blanks with fractions.

② There are 10 rings.  $\frac{3}{10}$  of the rings are red.  $\frac{2}{10}$  are green. The rest are pink.

\_\_\_\_\_ of the rings are pink.



③ There are 8 stars.  $\frac{2}{8}$  of the stars are yellow.  $\frac{3}{8}$  are green. The rest are red.

\_\_\_\_\_ of the stars are red.



④ There are 15 balls.  $\frac{8}{15}$  of the balls are orange.  $\frac{3}{15}$  are yellow. The rest are red or green. The red balls and the green balls are the same in number.

\_\_\_\_\_ of the balls are red.

\_\_\_\_\_ are green.

⑤ There are 4 red keys, 7 blue keys, and 3 green keys.

\_\_\_\_\_ of the keys are red.

\_\_\_\_\_ are blue.

\_\_\_\_\_ are green.

\_\_\_\_\_ of the keys are not red.

\_\_\_\_\_ of the keys are not blue.