Fractions

NAME: _____ DIV: ___

0, 1, 2, 3, 4, 5 ... are whole numbers. Whole numbers count units (whole things).

$\frac{1}{2}$, $\frac{3}{5}$, $\frac{5}{8}$, $\frac{10}{4}$, $\frac{6}{2}$, $\frac{4}{7}$... are fractions. Fractions name parts of units.

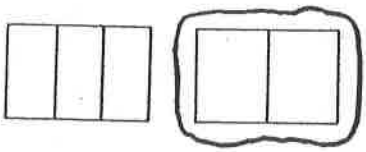
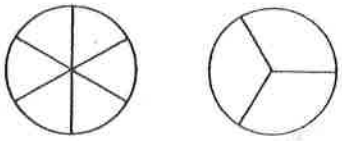
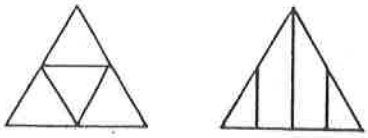
Circle all the fractions.

$\frac{5}{2}$ $\frac{1}{3}$ 4 $\frac{3}{7}$ 2 $\frac{8}{5}$ $\frac{272}{356}$ $\frac{3000}{2}$

$\frac{5}{8}$ 3 $\frac{1}{2}$ 0 $\frac{3}{2}$ 231

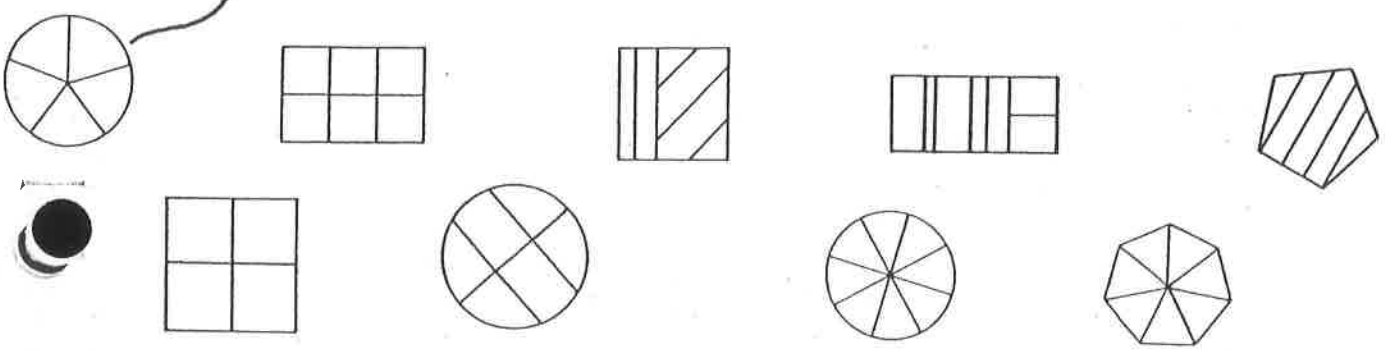
6 $\frac{8}{1}$

When a unit is divided into two equal parts, the parts are halves.
When a unit is divided into three equal parts, the parts are thirds.
Four equal parts are fourths or quarters. Five equal parts are fifths.

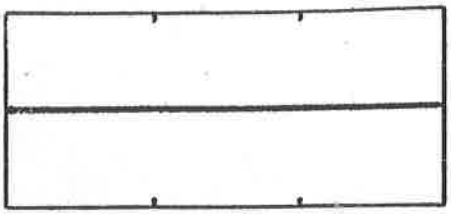
Which shows halves?	Which shows thirds?	Which shows quarters?
		

Match.

fifths sixths sevenths eighths

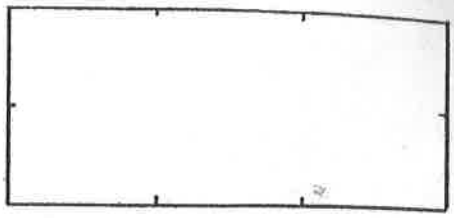


Divide into two equal parts.



This shows 2 halves.

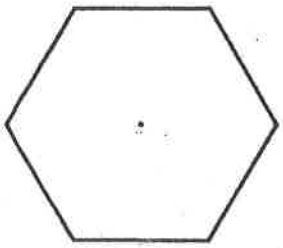
Divide into three equal parts.



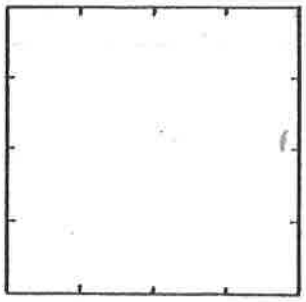
This shows ___ thirds.

Divide into six equal parts.

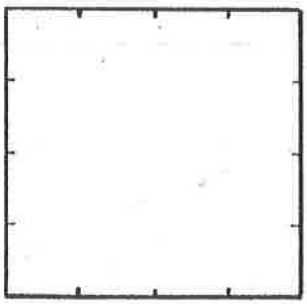
This shows ___ sixths.



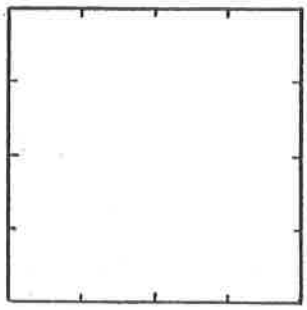
Show 6 sixths.



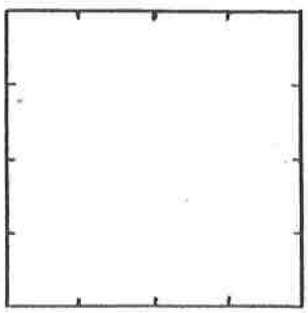
Show 2 halves.



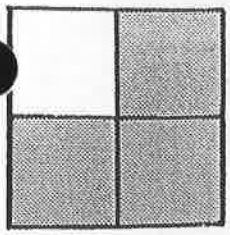
Show 4 fourths.

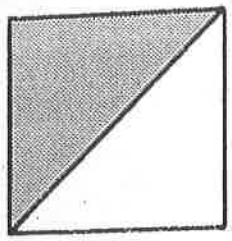


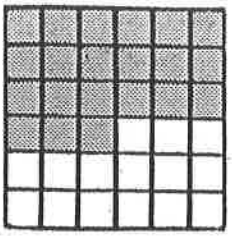
Show 8 eighths.

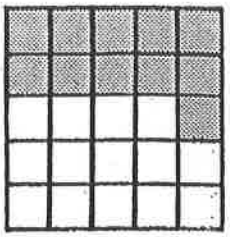


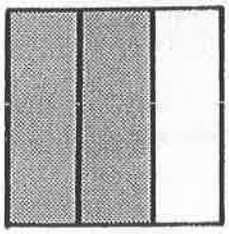
Show 16 sixteenths.

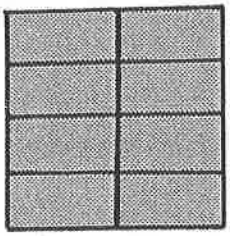
A 

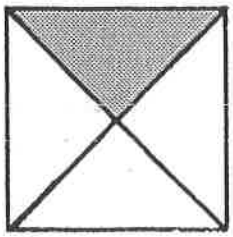
B 

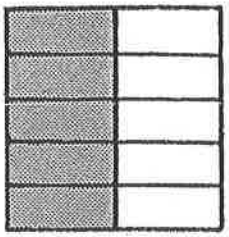
C 

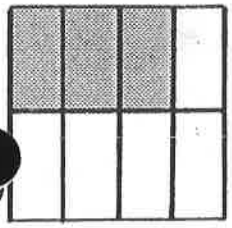
D 

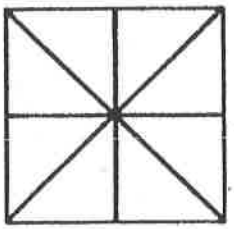
E 

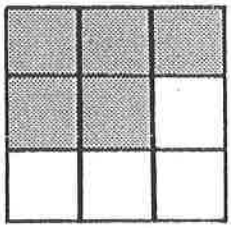
F 

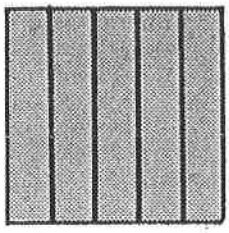
G 

H 

I 

J 

K 

L 

Fill in the blanks.

G shows $\frac{1}{4}$. ___ shows $\frac{3}{4}$. ___ shows $\frac{2}{3}$. ___ shows $\frac{11}{25}$.

K shows ___. B shows ___. L shows ___. C shows ___.

___ shows $\frac{0}{8}$. ___ shows $\frac{5}{10}$. ___ shows $\frac{8}{8}$. ___ shows $\frac{3}{8}$.

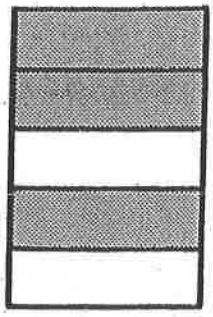
___, ___, ___, ___ show less than one half shaded.

___, ___ show one half shaded.

___, ___, ___, ___, ___, ___ show more than one half shaded.

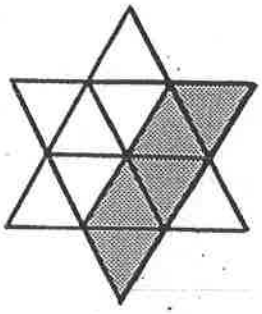
___, ___ show one whole unit shaded.

What fraction is shaded? What fraction is not shaded?



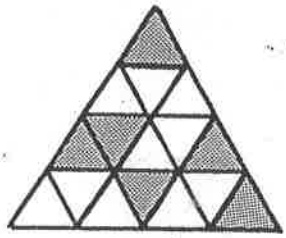
$\frac{3}{5}$ is shaded.

is not shaded.



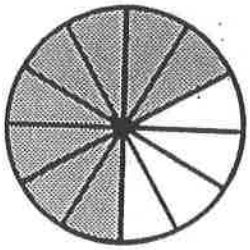
is shaded.

is not shaded.



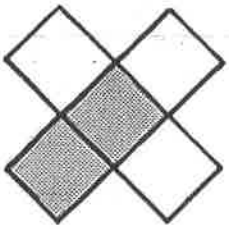
is shaded.

is not shaded.



is shaded.

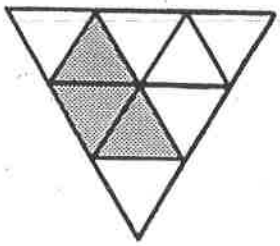
is not shaded.



is shaded.

is not shaded.

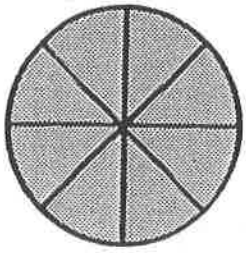
Both parts together show $\frac{5}{5}$.



is shaded.

is not shaded.

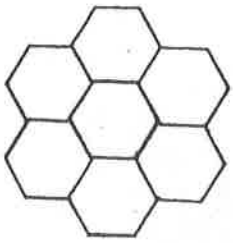
Both parts together show _____.



is shaded.

is not shaded.

Both parts together show _____.

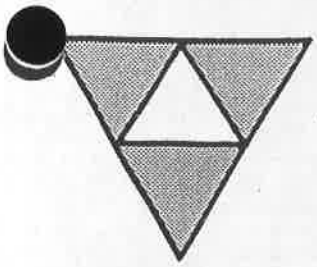


is shaded.

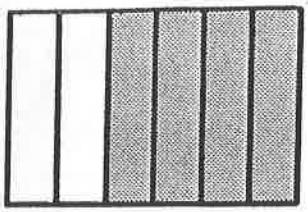
is not shaded.

Both parts together show _____.

Adding Fractional Parts

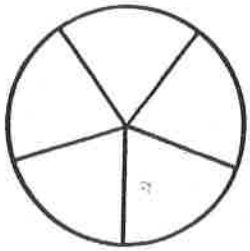


$\frac{3}{4} + \frac{1}{4} = \frac{4}{4}$

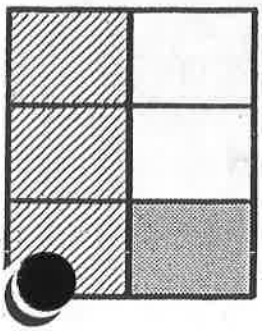


$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

Shade $\frac{2}{5}$ of the circle.



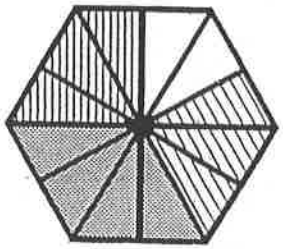
$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$



$\frac{1}{6} + \frac{3}{6} = \frac{4}{6}$

$\frac{3}{6} + \frac{2}{6} =$

$\frac{1}{6} + \frac{3}{6} + \frac{2}{6} =$



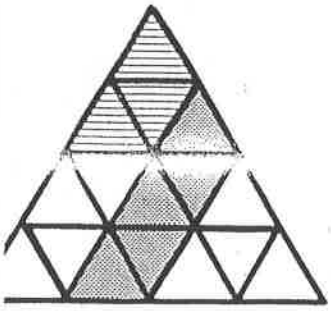
$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} =$



$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

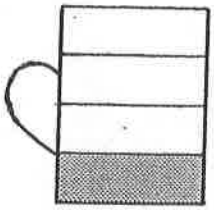
$\frac{\quad}{\quad} + \frac{\quad}{\quad} =$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} =$

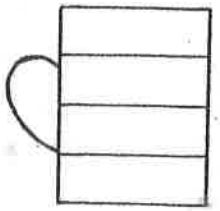
Try these problems without pictures.

$\frac{1}{3} + \frac{1}{3} =$ $\quad \frac{3}{7} + \frac{2}{7} =$ $\quad \frac{3}{8} + \frac{5}{8} =$ $\quad \frac{3}{5} + \frac{1}{5} =$

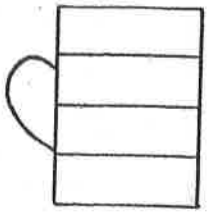
Fractions in Measurement



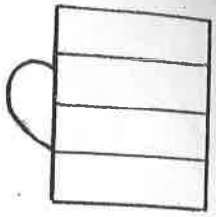
This cup is ___ full.



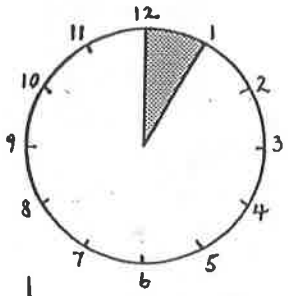
Fill this cup $\frac{3}{4}$ full.



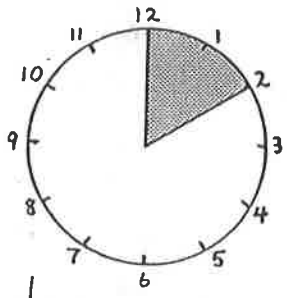
Fill this cup $\frac{1}{2}$ full.



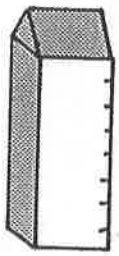
Fill this cup $\frac{4}{4}$ full.



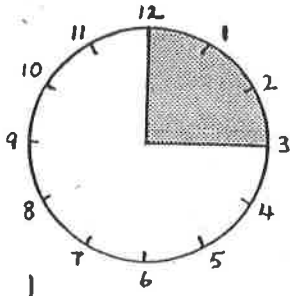
$\frac{1}{12}$ is shaded.
Shade $\frac{1}{12}$ more.



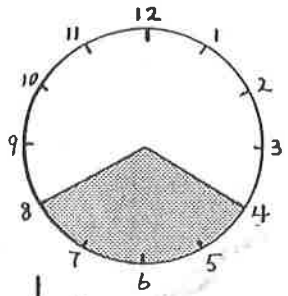
$\frac{1}{6}$ is shaded.
Shade $\frac{1}{6}$ more.



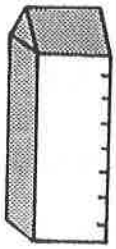
Fill this carton $\frac{3}{8}$ full.



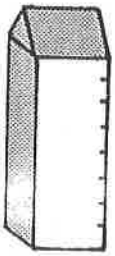
$\frac{1}{4}$ is shaded.
Shade $\frac{3}{4}$ more.



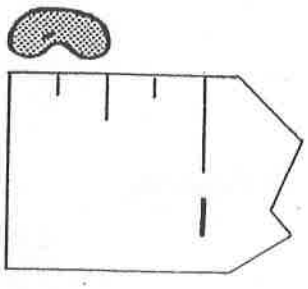
$\frac{1}{3}$ is shaded.
Shade $\frac{1}{3}$ more.



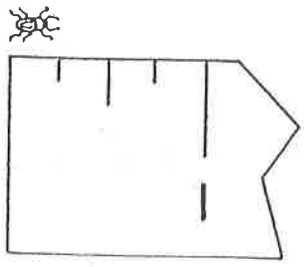
Fill this carton $\frac{1}{4}$ full.



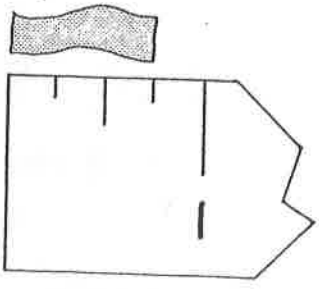
Fill this carton $\frac{3}{4}$ full.



This bean is ___ of an inch long.

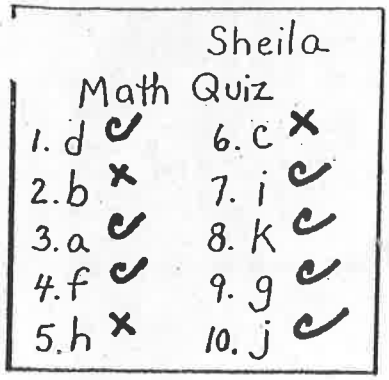


This beetle is ___ of an inch long.



This noodle is ___ of an inch long.

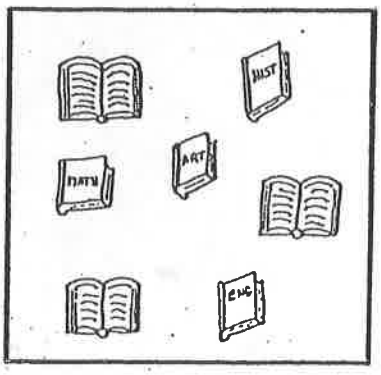
ractions in Word Problems



There are 10 answers on the paper.

7 of the 10 answers are correct.

What fraction of the answers are correct? $\frac{7}{10}$



There are ___ books in the group.

___ of the ___ books are open.

What fraction of the books are open? ___

b D A
T R g N
i u m B

There are ___ letters in the group.

___ of the ___ letters are vowels.

What fraction of the letters are vowels? ___

___ of the ___ letters are capitals.

What fraction of the letters are capitals? ___

1 2 3 4
5 6 7 8 9

There are ___ numbers in the group.

___ of the ___ numbers are odd.

What fraction of the numbers are odd? ___

___ of the ___ numbers are even.

What fraction of the numbers are even? ___

add	circle	count	cube	decimal	divide	divisor	graph
line	meter	number	plane	point	set	square	zero

There are ____ words in the list.

____ of the ____ words begin with c.

What fraction of the words begin with c? ____

What fraction of the words begin with p? ____

What fraction of the words end with e? ____

What fraction of the words have a t? ____

What fraction of the words have exactly four letters? ____

There are ____ words that have exactly five letters.

____ of the ____ five letter words begin with p?

What fraction of the five letter words begin with p? ____

There are ____ words that end with r.

____ of the ____ words that end with r begin with d.

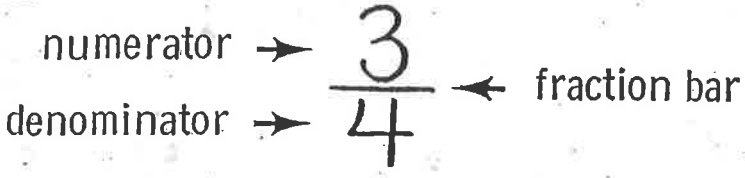
What fraction of the words that end with r begin with d? ____

What fraction of the six letter words begin with c? ____

What fraction of the words that begin with s have an e? ____

Fraction Vocabulary

The top and bottom numerals in a fraction have names. The top is called the numerator of the fraction and the bottom is called the denominator of the fraction. The little line that separates the numerator and denominator is called the fraction bar.



Write the fraction.

8 is the numerator; 20 is the denominator. The fraction is $\frac{8}{20}$.

6 is the numerator; 7 is the denominator. The fraction is _____.

3 is the numerator; 4 is the denominator. The fraction is _____.

8 is the denominator; 10 is the numerator. The fraction is _____.

2 is the denominator; 1 is the numerator. The fraction is _____.

7 is the numerator; 8 is the denominator. The fraction is _____.

6 is the denominator; 0 is the numerator. The fraction is _____.

Fill in the blanks.

In $\frac{3}{8}$, 8 is the denominator and 3 is the _____.

In $\frac{5}{6}$, 5 is the _____ and 6 is the _____.

In $\frac{1}{7}$, 1 is the _____ and 7 is the _____.

In $\frac{20}{35}$, 35 is the _____ and 20 is the _____.

In $\frac{1}{50}$, 1 is the _____ and 50 is the _____.

Write the numeral for each fraction.

one fifth	$\frac{1}{5}$	eight twelfths	
one eighth		ten elevenths	
one twelfth		thirteen fourteenths	
two thirds		thirteen fortieths	
two sixths		thirteen forty-fourths	
three seventeenths		twenty twenty-sevenths	
four fourths		twenty-seven thirtieths	
four tenths		thirty-four fiftieths	
four elevenths		fifty hundredths	
five nineteenths		fifty-six sixtieths	
five thirty-eighths		eighty-nine ninetieths	
six twentieths		one hundred hundredths	

Write the numeral for the underlined words.

The class was <u>three fourths</u> of an hour long. _____

Phil spent <u>one half</u> of a dollar. _____

Ms. Harris spent <u>one fourth</u> of her income on rent. _____

Mr. Garcia read <u>two thirds</u> of the book. _____

Judy walked <u>six tenths</u> of a kilometer to school. _____

Two fifths of the windows were broken.