QUESTION		ANSWER
87.	What coin represents 1/100 of a dollar?	Penny
88.	Express 10/3 as a mixed fraction.	3 1/3
89.	If there are 30 students on a field trip and only 1/3 of them remembered their spending money, how many won't be able to buy anything?	20
90.	There are 40 soccer players on the team bus. All want to sit in the two front seats. Only 4 fit. What percent can sit in front?	10%
91.	If you have 5 dogs, and only two have blue collars, what percent do not have blue collars?	60%
92.	Where does the decimal go in this problem? 1.4 + 2.9 = _4_3_	Between the 4 and 3
93.	Where does the decimal go in this problem? 12.1 x 3.6 = _4_3_5_6	Between the 3 and 5
94.	Say the decimal out loud and express it as a fraction: .4	four tenths or (BONUS - two fifths)
95.	Say the decimal out loud and express it as a fraction: .16	sixteen hundredths or (BONUS - four twenty fifths)
96.	Say the decimal out loud and express it as a fraction: .243	Two hundred forty three thousandths
97.	Write the decimal .5 on the chalk board in word form.	Five tenths
98.	Name one way we use decimals in our lives.	To count, to measure, to tell order, cash registers, etc.
99.	What will the gas meter read when one more gallon is added to this tank of gas: 012.5	Thirteen and five tenths gallons, or thirteen and a half gallons
100.	50¢ is what percent of $2.00?	25%
101.	1 dollar is what percent of 10 dollars?	10%
102.	10 of the 30 desks in the room need to be cleaned before recess. What fraction of the desks are dirty?	1/3
103.	Express 25% as a fraction.	25/100, or 1/4
104.	Express 25% as a decimal.	.25
105.	Express 50% as a fraction.	50/100, or 1/2
106.	If you have 8 cookies and .25 are chocolate chip, how many cookies are chocolate chip (express as a whole number)	2
107.	To convert 25% to decimal form, how many places to the left must you move the decimal?	2
108.	What is .25 as a fraction. Reduce it to its lowest form	25/100 = 1/4
109.	If 1000 dinosaurs used to live in your area, and 10% of them were T-Rexes, how many T-Rexes used to live in your area?	100
110.	Where does the decimal go in the number two and four tenths?	2.4
111.	TRUE or FALSE: When using decimals, the word AND can be used to represent the decimal.	True
112.	TRUE or FALSE: .4 and 4/10 are equivalent.	True
113.	Which digit represents tenths? 52.3	3
114.	Which digit represents a whole number? 4.37	4
115.	Which digit represents hundredths? 7.652	5
116.	What fraction does the diagram show? (graphic)	7/12 (or 5/12)
117.	1/2 + 1/2 = _____	1
118.	2/3 + 1/3 = _____	1
119.	4/4 - 1/4 = _____	3/4
120.	Express 50% as a decimal.	.5
121.	How many halves are there in a whole?	2

Clever Catch®
FRACTIONS, DECIMALS, & PERCENTS

The **Fractions, Decimals, & Percents Clever Catch®** provides an excellent way for children to learn and practice fractions, decimals, and percentages concepts. There are 121 facts and questions included. Clever Catch® can be used at school in organized classroom activities. It can also be used on the playground or at home. Grades 4+, Ages 9+.

BASIC PLAY

Basic play for Clever Catch® is simple. Two or more players toss the ball to each other, answering the problem underneath or closest to their left thumb. Each problem is numbered and enclosed in its own space, assuring the child will know which problem to answer. Answers are provided in this insert for independent play by students.

PLAYOFFS:

Pairs of children toss the ball back and forth for one minute answering problems. A scorekeeper tallies which team has the most correct answers in the time limit.

BEAT THE CLOCK:

The entire class plays cooperatively as one team, trying to better its own time and number of correct answers in each game.

Directions:

1 Choose a timekeeper. You also will need a monitor - teacher or student - to keep track of correct answers.

2 Divide the class into two lines of equal length, students facing each other.

3 At the timekeeper's signal, toss Clever Catch® to the first student. As quickly as possible, this student reads and answers the problem underneath his/her left thumb.

4 This student then tosses Clever Catch® to the student directly across from him/her in the second line. This student reads and answers the problem under his/her left thumb.

5 Play continues until all students in both lines have had a turn. When the last student has answered, the time and correct number of answers are recorded.

	QUESTION	ANSWER
1.	Say as many equivalent fractions to 1/2 as you can in 30 seconds.	2/4, 3/6, 4/8, 5/10, 6/12, 7/14, 8/16, 9/18, 10/20
2.	Say as many equivalent fractions to 1/4 as you can in 30 seconds.	2/8, 3/12, 4/16, 5/20, 6/24, 7/28, 8/32, 9/36,10/40
3.	Reduce 250/500 down to its lowest terms in 30 seconds.	250/500, 125/250, 25/50, 1/2
4.	Put the fractions 7/8, 3/4, 5/6 into order from least to greatest.	3/4, 5/6, 7/8
5.	Draw a picture on your chalkboard that shows 2/6.	
6.	What division fact can help you find 1/2 of 30?	30 ÷ 2
7.	What multiplication fact can help you find 1/4 of 40?	4 ×10
8.	What multiplication fact can help you find 2/3 of 30?	3 × 10 = 30
9.	What addition fact can help you find 2/3 of 30	(10 + 10) + 10 = 30
10.	Convert 1/4 into a decimal.	.25
11.	Convert 1/2 into a decimal.	.5
12.	Convert 1/3 into a decimal.	.33
13.	Convert the decimal .75 into a fraction.	75/100, or 3/4
14.	Convert .10 into a fraction.	1/10
15.	Is 10/10 equal to, greater than, or less than 1?	Equal to
16.	What is a fraction?	A part or portion of something. A number that names a part of a whole or of a set
17.	How many pennies are in one nickel?	5
18.	How many pennies are in one dime?	10
19.	How many pennies are in one half dollar?	50
20.	How many pennies are in one dollar?	100
21.	How many nickels are in one dime?	2
22.	How many nickels are in one quarter?	5
23.	How many nickels are in one half dollar?	10
24.	How many nickels are in one dollar?	20
25.	How many dimes are in one half dollar?	5
26.	How many dimes are in one dollar?	10
27.	How many quarters are in one half dollar?	2
28.	How many quarters are in one dollar?	4
29.	You don't have a nickel, but you need five cents to buy a gumball. How else can you make a nickel?	5 pennies
30.	Two jaw breakers cost ten cents each. What is a different way to pay for them?	2 nickels and 1 dime, 4 nickels, 2 dimes, 5 pennies and 3 nickels, etc.
31.	Name one situation where using fractions is very important and one where it is not.	Important: taking medicine, cooking, making change, etc. Unimportant: Drinking a glass of water, brushing your teeth, etc.
32.	What is an improper fraction?	The numerator is larger than the denominator
33.	Convert the improper fraction of 13/4 into a mixed number.	3 1/4
34.	What is a mixed number? Give an example.	A number expressed as a whole number and a fraction. (ie. 4 1/2)
35.	What is 3/4 of ten dollars?	$7.50
36.	$5.00 is 1/5 of how much money?	$25.00
37.	BONUS: fold a sheet of paper to show that 1/2 and 2/4 are equal.	Fold paper in half, then in half again
38.	What decimal does the diagram show? (graphic)	.5
39.	Name one thing people use fractions for every day.	Telling time, cooking, making change, etc.
40.	Which is greater? 4/8 or 8/16?	They are of the same value
41.	Would you rather have 5/6 of a pizza or 9/12? Why?	5/6 is more
42.	Is a glass filled to the middle with milk 1/2 full or 1/2 empty?	Open ended answer
43.	If you have to walk to the store to get a gallon of milk for dinner would you rather walk 1/4, 1/3, or 1/2 of a mile? Why?	1/4 mile is the shortest distance

	QUESTION	ANSWER
44.	What fraction of the lights in the classroom do not work?	Teacher led question. Turn off a portion of the classroom lights.
45.	What fraction of the balls are footballs? (graphic)	1/2
46.	Give a definition of probability.	The chance of something happening
47.	How many eighths are there in one whole?	8
48.	How many eighths are there in one half?	4
49.	Tom has 20 pigeons for his magic show. If 1/4 of the pigeons are white, how many white pigeons are there?	5
50.	In 30 seconds, tell as many ways as you can to make a dollar out of change.	10 dimes, 20 nickels, 4 quarters, 100 pennies, etc.
51.	How many equal parts does a quarter have?	5 nickels or 25 pennies
52.	How many equal parts does a dollar have?	100 pennies, 20 nickels, 10 dimes, 4 quarters, 2 half dollars
53.	Which is greater? 1/2 or 2/8?	1/2
54.	What fraction is closest to zero: 3/4, 5/8, 1/6?	1/6
55.	Between what two whole numbers is the fraction 8 3/8	Between 8 and 9
56.	Which number is 6 2/3 closer to? 6 or 7?	7
57.	What is the definition of Mental Math?	Breaking a problem into several easier problems in order to find the solution to a more difficult problem; Doing the work in your head; Solving problems without pens, paper, or calculators
58.	Solve: What is 1/2 of 180 using Mental Math?	1/2 of 100 is 50, and 1/2 of 80 is 40. 50 + 40 = 90, so half of 180 is 90.
59.	Name as many problem solving strategies as you can in 30 seconds.	Guess and test, estimate, look for a pattern, draw a diagram, work backwards, simplify the problem, make a table, make a graph, write a number sentence, use mental math.
60.	The movie theater charges $2.00 for each child under 10, and $5.00 for each child 10 and over. Jane gave the ticket agent $18.00 for 6 children. What fraction of them were under 10?	4/6, or 2/3
61.	Which picture is 2/3 shaded? (graphic)	A
62.	What fraction of the people in this class are girls?	Teacher led question
63.	What fraction of the people in this class are boys?	Teacher led question
64.	What does the word "equal" mean?	The same as, or the same value
65.	What does the word "equivalent" mean?	Equal to, or the same value
66.	Give the definition of "reduce".	To make smaller
67.	If a killer whale eats 30 salmon a day, but he only eats 3 times per day, how many salmon does he get at each meal?	10
68.	You have 5 friends over for lunch, but your mom only made three sandwiches. How much does each child get?	1/2 sandwich - 3 sandwiches / 6 kids
69.	Name the fraction shown here. (graphic)	1/2
70.	Name the fraction shown here. (graphic)	2/3 (or 1/3)
71.	Name the fraction shown shaded here. (graphic)	3/4 (or 1/4)
72.	What is a denominator?	The bottom number of the fraction
73.	What is a numerator?	The top number of a fraction
74.	How many equal parts are shown here? (graphic)	2
75.	How many equal parts are shown here? (graphic)	3
76.	How many equal parts are shown here? (graphic)	4
77.	Name the fraction shown shaded here. (graphic)	1/2
78.	Name the fraction shown shaded here. (graphic)	2/4 or 1/2
79.	Name the fraction of the pie that is missing. (graphic)	2/6 or 1/3 (or 4/6, or 2/3)
80.	Name the fraction shown shaded here. (graphic)	4/6 or 2/3
81.	Express 1/4 as a percent.	25%
82.	Express 1/2 as a percent.	50%
83.	Express 1/10 as a percent.	10%
84.	What coin represents 1/4 of a dollar?	Quarter
85.	What coin represents 1/10 of a dollar?	Dime
86.	What coin represents 1/20 of a dollar?	Nickel