

Nan _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ because I knew this mentally
$50 \div 10 =$	5	5	☆ because I knew this mentally
$7000 \div 10 =$	700	700	☆ because I know this mentally
$4 \div 10 =$	0.4	0.4	☆ because you have put in tenths
$3 \div 100 =$	0.03	0.03	☆ because you have to put in hundredths
$1 \div 1000 =$	0.001	0.001	☆ because you replace 1 at end
$9 \div 0.1 =$	0.9	90	? I thought this was multiplication
$7 \div 0.01 =$	0.7	700	
$0.8 \div 10$	0.08	0.08	☆ two zeros - hundredths place
$0.02 \div 100$	0.002	0.002	☆ four zeros - thousandths place

What did you do to help yourself solve these problems mentally? I thought of the zeros and the work we did in class. Also I found a few methods which worked for a few of these problems

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ because I see that a lot.
$50 \div 10 =$	5	5	☆ because Right when I now it.
$7000 \div 10 =$	700	700	☆ because I think I found a pattern.
$4 \div 10 =$	0.4	0.4	☆ that we did yesterday. because look something
$3 \div 100 =$	0.03	0.03	☆ because I thought it eazy, ting to do.
$1 \div 1000 =$	0.001	0.001	☆ what you did and the Pass. because just think about
$9 \div 0.1 =$	0.9	90	! I thought it It was a suppring because
$7 \div 0.01 =$	700	700	☆ It was eazy because my pother do it
$0.8 \div 10$	0.08	0.08	☆
$0.02 \div 100$	200	0.0002	? because I thought it was 200.

What did you do to help yourself solve these problems mentally? _____

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	2000	2000	☆ I was write because that way 2000 2000 \div 10 = 2000 stay because of the ten
$50 \div 10 =$	50	5	! same because if you do this 50 \div 10 = 5 talk away 0 and it make (5)
$7000 \div 10 =$	7000	700	!
$4 \div 10 =$	0.4	0.4	☆
$3 \div 100 =$	0.03	0.03	☆
$1 \div 1000 =$	0.001	0.001	☆
$9 \div 0.1 =$	90	90	☆
$7 \div 0.01 =$	700	700	☆
$0.8 \div 10$	80	0.08	!
$0.02 \div 100$	0.002	0.00002	!

What did you do to help yourself solve these problems mentally? _____

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆
$50 \div 10 =$	5	5	☆
$7000 \div 10 =$	700	700	☆
$4 \div 10 =$	$0.4 = \frac{4}{10}$	0.4	☆
$3 \div 100 =$	$0.03 = \frac{3}{100}$	0.03	☆
$1 \div 1000 =$	$0.001 = \frac{1}{1000}$	0.001	☆
$9 \div 0.1 =$	10	90	?!
$7 \div 0.01 =$	700	700	?
$0.8 \div 10$	$\frac{8}{100} = 0.08$	0.08	!?
$0.02 \div 100$	2	0.0002	!?

What did you do to help yourself solve these problems mentally? We figured out a pattern and it is that everytime the divisor is smaller than the dividant the answer would be a fraction.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

	Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
X	$2000 \div 10 =$	200	200	☆ I used a method.
X	$50 \div 10 =$	5	5	☆ I used a method.
X	$7000 \div 10 =$	700	700	☆ I used a method.
😊	$4 \div 10 =$	0.4	0.4	☆ I used a method.
😊	$3 \div 100 =$	0.03	0.03	☆ I used a method.
😊	$1 \div 1000 =$	0.001	0.001	☆ I used a method.
😊	$9 \div 0.1 =$	90	90	☆ I timesed the numbers but not the dot because I'm \div by a hole number.
😊	$7 \div 0.01 =$	700	700	☆ I timesed the numbers but I didn't put the dot because I'm \div by a hole.
😊	$0.8 \div 10$	0.08	0.08	☆ I timesed the two numbers and added the zero's.
😊	$0.02 \div 100$	0.0002	0.0002	☆ I think this is easy because I timesed the 2 numbers then I add the zeros.

What did you do to help yourself solve these problems mentally? I was multiply the whole numbers then I added the zero and the dot, and the whole \div decimals will not need the dot. Just add the zeros

Name _____

$$\sqrt[1]{1000} \quad \sqrt[3]{100}$$

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (★), what was surprising (!), what was confusing (?), what caused disagreement (♥).

Problem	Predict (mental)	Check (calculator)	★ ! ? ♥ I think...
$2000 \div 10 =$	200	200	★ I think it's easy because I know $200 \times 10 = 2,000$
$50 \div 10 =$	5	5	★
$7000 \div 10 =$	700	700	★
$4 \div 10 =$	0.4	0.4	★
$3 \div 100 =$	0.03	0.03	★
$1 \div 1000 =$	0.001	0.001	★
$9 \div 0.1 =$	90	90	★
$7 \div 0.01 =$	700	700	★
$0.8 \div 10$	100	0.08	?
$0.02 \div 100$	1,000	0.0002	★

What did you do to help yourself solve these problems mentally? I used my fingers.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	I think ☆ because I knew it already
$50 \div 10 =$	5	5	I think ☆ because it was a fact for me
$7000 \div 10 =$	700	700	I think ? because I didn't understand what Adam said
$4 \div 10 =$	0.4	0.4	I think ☆ because I knew it
$3 \div 100 =$	0.03	0.03	I think ☆ because I knew
$1 \div 1000 =$	0.001	0.001	I think ☆ because I knew
$9 \div 0.1 =$	90	90	I think ☆ because I knew
$7 \div 0.01 =$	700	700	I think ☆ because I knew
$0.8 \div 10$	0.08	0.08	I think ☆ because I knew
$0.02 \div 100$	0.0002	0.0002	I think ☆ because I knew

What did you do to help yourself solve these problems mentally? I studied my math facts at home.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ This was easy because I did. inverse operation.
$50 \div 10 =$	5	5	☆ I did it $5 \times 10 = 50$
$7000 \div 10 =$	700	700	☆ I did
$4 \div 10 =$	$\frac{4}{10} = 0.4$	0.4	☆
$3 \div 100 =$	$\frac{3}{100} = 0.03$	0.03	☆
$1 \div 1000 =$	$\frac{1}{1000} = 0.001$	0.001	☆
$9 \div 0.1 =$	90	90	☆
$7 \div 0.01 =$	700	700	☆
$0.8 \div 10 =$	0.08	0.08	☆
$0.02 \div 100 =$	0.002	0.0002	!

What did you do to help yourself solve these problems mentally? I thought of it with the answer, and the pattern from yesterday

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	20	200	!
$50 \div 10 =$	5	5	☆
$7000 \div 10 =$	700	700	!
$4 \div 10 =$	$\frac{4}{10}$	0.4	?
$3 \div 100 =$	$\frac{3}{100}$	0.03	♡ I think that it's the same.
$1 \div 1000 =$	1000	0.001	
$9 \div 0.1 =$	0.9	90	
$7 \div 0.01 =$	0.07	700	!
$0.8 \div 10$	80	80	!
$0.02 \div 100$	200	0.0002	!

What did you do to help yourself solve these problems mentally? I think that when I get a problem wrong I could try it right by putting the answer back words.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	2000	200	!
$50 \div 10 =$	5	5	☆
$7000 \div 10 =$	700	700	☆
$4 \div 10 =$	0.4	0.4	☆
$3 \div 100 =$	$\frac{3}{100}$	0.03	?
$1 \div 1000 =$	0.001	0.001	☆
$9 \div 0.1 =$	0.9	0.9	!
$7 \div 0.01 =$	0.07	100	! ?
$0.8 \div 10$	0.08	0.08	!
$0.02 \div 100$	0.01	0.0002	?

What did you do to help yourself solve these problems mentally? I talked and discussed
All of the problems with my partner.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ because you just take off the 2 zeros away from 2,000
$50 \div 10 =$	5	5	☆
$7000 \div 10 =$	700	700	☆
$4 \div 10 =$	0.4	0.4	☆
$3 \div 100 =$	0.03	0.03	☆
$1 \div 1000 =$	0.001	0.001	☆
$9 \div 0.1 =$	90	90	☆
$7 \div 0.01 =$	700	700	☆
$0.8 \div 10$	80	80	☆ IF you switch the 0.8
$0.02 \div 100$	0.0002	0.0002	☆ because you just look and times the 2 and 1 and add the zeros and the dot.

What did you do to help yourself solve these problems mentally? I was thinking about
The numbers and the

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	
$50 \div 10 =$	5	5	
$7000 \div 10 =$	700	700	
$4 \div 10 =$	4/10	0.4	
$3 \div 100 =$	0.03	0.03	
$1 \div 1000 =$	0.001	0.001	
$9 \div 0.1 =$	9	90	
$7 \div 0.01 =$	70	700	
$0.8 \div 10$	0.08	0.08	
$0.02 \div 100$	0.0002	0.002	

What did you do to help yourself solve these problems mentally? _____

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ it was easy because I thought finishes
$50 \div 10 =$	5	5	☆ I thought this was easy because I used multiplication.
$7000 \div 10 =$	700	700	☆ I thought it was easy because I thought of the multiplying.
$4 \div 10 =$	4/10 0.4	0.4	☆ I thought these both answers because 4/10 and that won't be on a calculator.
$3 \div 100 =$	0.03 3/100	0.03	☆ I thought these answer was easy because it was the same as the last answer.
$1 \div 1000 =$	0.001 1/1,000	0.001	☆ I thought the same answer as the other one but the answer was different.
$9 \div 0.1 =$	90	90	☆ It was the opposite as the 0.04 answer.
$7 \div 0.01 =$	700	700	☆ I thought this was easy because is the same thing as the last problems.
$0.8 \div 10$	0.08	0.08	☆ I remember the patterns
$0.02 \div 100$	0.0002	0.0002	☆ I remember the homework patterns.

What did you do to help yourself solve these problems mentally? I was thinking that - is going to be the same thing as the under the problem until they change the answer. I also remembered the homework and math talks.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 = 200$	200		
$50 \div 10 = 5$	5		
$7000 \div 10 = 700$	700		
$4 \div 10 = \frac{4}{10}$	$\frac{4}{10}$		
$3 \div 100 = \frac{3}{100}$	$\frac{3}{100}$		
$1 \div 1000 = \frac{1}{1000}$	$\frac{1}{1000}$		
$9 \div 0.1 = 0.9$	0.9		
$7 \div 0.01 = 0.07$	0.07		
$0.8 \div 10 = 0.08$	0.08		
$0.02 \div 100 = 0.0002$	0.0002		

What did you do to help yourself solve these problems mentally? _____

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ I think it was easy because I looked at...
$50 \div 10 =$	5	5	☆ I think it was easy because I looked at the
$7000 \div 10 =$	700	700	☆ I think it was easy because I looked at the pattern
$4 \div 10 =$	0.4 $\frac{4}{10}$	0.4	☆ I think it was easy because I looked at the pattern
$3 \div 100 =$	0.03 $\frac{3}{100}$	0.03	☆ I think it was easy because I looked at the pattern
$1 \div 1000 =$	0.001 $\frac{1}{1000}$	0.001	☆ I think it was easy because I looked at the pattern
$9 \div 0.1 =$	90	90	☆ I think it was easy because I looked at the pattern
$7 \div 0.01 =$	700	0.01	☆ I think it was easy because I looked at the pattern
$0.8 \div 10$	100	0.08	! I think it was shocking because I thought it was turned
$0.02 \div 100$	2000	0.0002	! I think it was shocking because I thought it was turned

What did you do to help yourself solve these problems mentally? What I did was look at the
divisor and took away a zero and got the answer

Name

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
2000 ÷ 10 =	200	2000	☆
50 ÷ 10 =	5	5	☆
7000 ÷ 10 =	700	700	☆
4 ÷ 10 =	$\frac{4}{10} = 0.4$	0.4	?
3 ÷ 100 =	0.03	0.03	☆
1 ÷ 1000 =	0.001	0.001	☆
9 ÷ 0.1 =	0.09	90	! ?
7 ÷ 0.01 =	700	700	!
0.8 ÷ 10	$\frac{8}{100}$	0.08	☆
0.02 ÷ 100	2	0.0002	☆

What did you do to help yourself solve these problems mentally? We discovered that when the divisor is smaller than the dividend, then the quotient should be a fraction.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	☆ because I knew how to do this. (little bit)
$50 \div 10 =$	5	5	☆ because its a multiplication facts
$7000 \div 10 =$	700	700	☆ because it made sense and I know how to multiply.
$4 \div 10 =$	0.4	0.4	☆ because I reviewed the work I had done which helped me find it
$3 \div 100 =$	0.03	0.03	! I didn't know because I did it the same way as the other side.
$1 \div 1000 =$	0.001	0.001	☆ I checked my work how to do it.
$9 \div 0.1 =$.09	.90	! I didn't pay attention, where to put the numbers.
$7 \div 0.01 =$	0.07	700.	! I didn't know where to put the numbers.
$0.8 \div 10$	0.80	0.08	! It was shocking, I misplaced the numbers.
$0.02 \div 100$	0.20	0.0002	! I forgot that I'm supposed to put all four zeros.

What did you do to help yourself solve these problems mentally? The worksheet (a different one) helped me know and remember how to do it. Also, I did the back first so I checked the back to see how I did it.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	I think it was ☆
$50 \div 10 =$	5	5	I think it was ?
$7000 \div 10 =$	700	700	I think it was ☆
$4 \div 10 =$	0.4	0.4	I think it was ?
$3 \div 100 =$	0.03	0.03	I think it was ☆
$1 \div 1000 =$	0.001	0.001	I think it was ☆
$9 \div 0.1 =$	90	90	I think it was ?
$7 \div 0.01 =$	700	700	I think it was ☆
$0.8 \div 10$	0.08	0.08	I think it was ☆
$0.02 \div 100$	0.0002	0.0002	I think it was ☆

What did you do to help yourself solve these problems mentally? Double check my work
and re did it.

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$	200	200	
$50 \div 10 =$	5	5	
$7000 \div 10 =$	700	700	
$4 \div 10 =$	0.4	0.4	
$3 \div 100 =$	0.03	0.03	
$1 \div 1000 =$	0.001	0.001	
$9 \div 0.1 =$	90	90	
$7 \div 0.01 =$	0.07	0.07	
$0.8 \div 10$	0.08	0.08	
$0.02 \div 100$	0.0002	0.0002	

What did you do to help yourself solve these problems mentally? I did the work first then checked in the calculator