

Monday

TBAT add Two 4-digit Numbers

1. Complete each calculation. Which one has the fewest exchanges?

A.

	4	8	6	1
+	3	1	3	9

B.

	7	5	8	2
+	1	6	2	7

C.

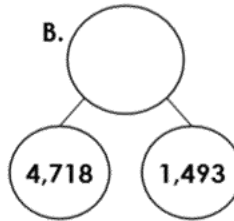
	5	2	0	8
+	3	7	9	2

2. True or false? C totals the largest number. Complete each calculation to check.

A.

	Th	H	T	O
	●●●●	●●●●	●●●●	●●●●
+	●	●●●●	●●●●	●●●●

B.



C.

2,360		4,857

3. Arthur has filled in the boxes in the calculation to total the answer below.

	3	7	5	4
+	3	7	7	8
	6	4	2	2
	1	1	1	

Is he correct? Prove it.

TBAT Multiply 2 Digits by 1 Digit

1. Circle the odd one out.

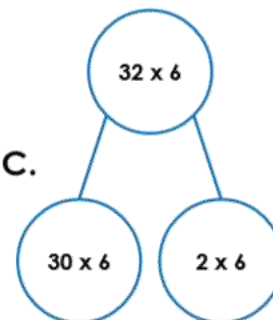
A.

T	O
●●●●	●●
●●●●	●●
●●●●	●●
●●●●	●●
●●●●	●●
●●●●	●●

B.

	3	2
x		7

C.



2. Complete the comparison statement using the <, > or = symbols.

T	O
●●●	●●●
●●●	●●●
●●●	●●●
●●●	●●●

	3	3
x		5

	4	1
x		3

T	O
●●●●	●
●●●●	●
●●●●	●

3. Is Cerys correct? Explain your answer.



If I multiply a 2-digit number by a 1-digit number using the digit cards below, the smallest number I could make is 75 and the biggest number I could make is 315.

3

5

1

6

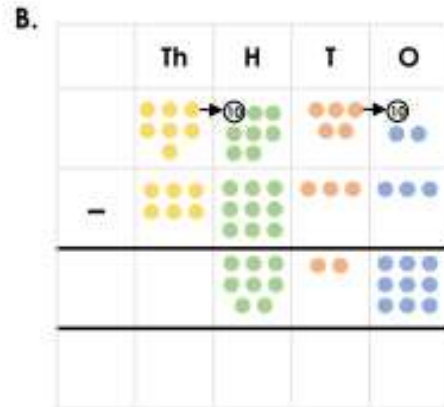
Tuesday

TBAT subtract Two 4-digit Numbers

1. Which calculation is incorrect?

A.

	5	3	1	0	9
	6	4			
-	4	5	3	7	
	1	8	7	2	



2. Complete the calculations and match them to the correct answer.

A.

	4	0	6	6
-		6	9	5

B.

	7	5	0	4
-	2	6	8	1

C.

	5	3	6	1
-	2	0	7	9

4,823

3,282

3,371

3. Trovak needs a total of 8,405 litres of fuel to reach his planet. He already has 3,686 litres in his spaceship.

Trovak says,



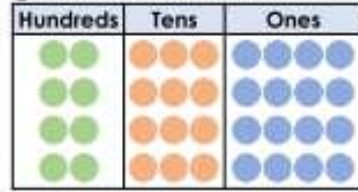
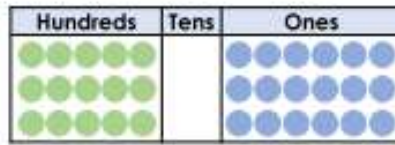
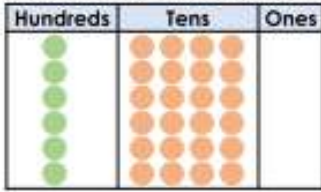
I only need 4,816 litres more.

-				

Is he correct? Use column subtraction to prove your answer.

TBAT multiply 3 Digits by one Digit

1. Order these calculations from smallest to largest according to their answers.



A.

	1	4	0
x			6
<hr/>			
<hr/>			

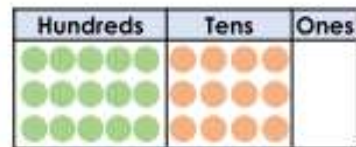
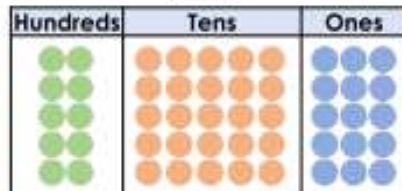
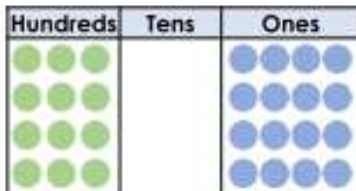
B.

	5	0	6
x			3
<hr/>			
<hr/>			

C.

	2	3	4
x			4
<hr/>			
<hr/>			

2. Which calculation is the odd one out?



A.

	3	0	4
x			4
<hr/>			
1	2	1	6
<hr/>			
		1	

B.

	2	5	3
x			5
<hr/>			
1	2	6	5
<hr/>			
	2	1	

C.

	5	4	0
x			3
<hr/>			
1	6	2	3
<hr/>			
	1		

3. Adam thinks that both of the multiplications below are correct. Do you agree? Explain your answer.

	4	7	5
x			4
<hr/>			
1	9	0	0
<hr/>			
	3	2	

	4	8	5
x			3
<hr/>			
1	4	9	1
<hr/>			
	2	5	

Wednesday

TBAT demonstrate sufficient subtraction

1. Solve the calculation.

$$2,405 - 1,205 = \boxed{}$$

Which method did you use?

2. Show three different methods to solve the calculation below.

$$5,293 - 1,959$$

3. There are 3,457 cars in the car park. 1,046 cars leave the car park. How many cars remain? Use an efficient method to solve the word problem.

4. Write each subtraction next to method you think is the most efficient in the table below.

$$7,835 - 6,804$$

$$2,347 - 1,847$$

$$8,394 - 3,023$$

Counting On	
Column Method	
Partitioning	

5. Check the calculation below.

$$\begin{array}{r} 8 \ 9 \ 7 \ 0 \\ - 7 \ 5 \ 7 \ 0 \\ \hline 1 \ 4 \ 0 \ 0 \end{array}$$

Is this method efficient? Create another calculation where the column method is efficient.

6. Do you agree with Alan? Explain your reasoning.



You should use the column method to check any subtraction.

7. Ivy and Ted are solving $7,283 - 5,179$.

Ivy



I'll add 1 to both then partition and subtract.

Ted



I'm going to count on using a number line.

Complete $7,283 - 5,179$ using both strategies. Which was quickest? Why?

TBAT divide 2 Digits by 1 Digit

Nina and Leroy are playing a game with a six-sided dice. They use the dice to generate numbers for their division calculations.



Nina

When I rolled my dice and completed the calculation, I had a remainder of 4.



Leroy

When I rolled my dice and completed the calculation, I had a remainder of 2.



Which numbers could they have rolled? Find 5 possible answers for Nina and Leroy.

Nina

Leroy

$$\square \square \div \square = \square \text{ r}4$$

$$\square \square \div \square = \square \text{ r}2$$

$$\square \square \div \square = \square \text{ r}4$$

$$\square \square \div \square = \square \text{ r}2$$

$$\square \square \div \square = \square \text{ r}4$$

$$\square \square \div \square = \square \text{ r}2$$

$$\square \square \div \square = \square \text{ r}4$$

$$\square \square \div \square = \square \text{ r}2$$

$$\square \square \div \square = \square \text{ r}4$$

$$\square \square \div \square = \square \text{ r}2$$

Thursday

TBAT check my strategies

1. Match each calculation to its inverse.

A. $4,812 + 1,946 = 6,758$

D. $3,473 + 4,152 = 7,625$

B. $7,625 - 4,152 = 3,473$

E. $3,445 = 5,655 - 2,210$

C. $5,655 = 2,210 + 3,445$

F. $6,758 - 1,946 = 4,812$

2. Circle the calculation(s) that Mildred can use to check the answer to $3,765 + 5,906 = 9,671$.

A.

	9	6	7	1
+	5	9	0	6
<hr/>				

B.

	9	6	7	1
-	5	9	0	6
<hr/>				

C.

	9	6	7	1
-	3	7	6	5
<hr/>				

3. George and Samira are discussing how they would check the following calculation using the inverse. Who do you agree with? Explain why.

	8	9	7	6
-	2	4	5	5
<hr/>				
	6	5	2	1

A. $6,521 + 2,455$

B. $8,976 - 6,521$

I would use A because the two smallest numbers must equal the larger one.



George

I would use B because I can find one of the parts by subtracting the other part from the whole.



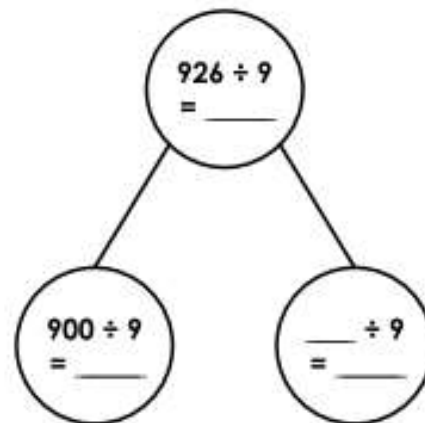
Samira

TBAT divide 3 Digits by 1 Digit

1. Suzy has solved the calculation $926 \div 9$ using a part-whole model.

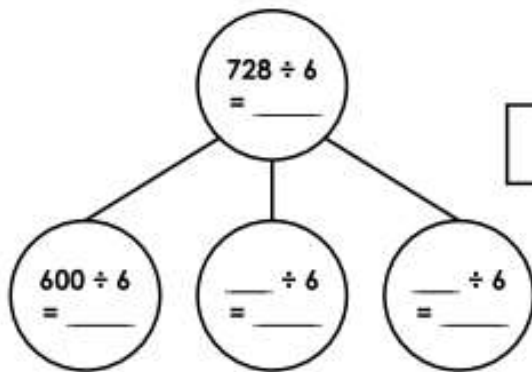


My answer has no remainder.



Find and correct Suzy's mistake.

2. Compare the two division models by adding $<$, $>$ or $=$ to the box.



$736 \div 6$

H	T	O	
100	10 10	1 1	1
100	10 10	1 1	1
100	10 10	1 1	1
100	10 10	1 1	1
100	10 10	1 1	
100	10 10	1 1	

100 Exchanged for 10 tens and shared equally.

3. Navdeep is comparing the following calculations. He writes the statement below.



Calculation B is the odd one out because it has 26 in the answer.

- A. $219 \div 9 =$
- B. $159 \div 6 =$
- C. $170 \div 7 =$

Do you agree with Navdeep? Explain your answer.

Friday

1	$14 + 5 =$	26	$30 \div 6 =$
2	$26 + 7 =$	27	$20 \div 10 =$
3	$39 + 3 =$	28	$35 \div 5 =$
4	$14 + 7 =$	29	$45 \div 9 =$
5	$16 + 5 =$	30	$66 - 22 =$
6	$37 + 25 =$	31	$3224 + 152 =$
7	$23 + 73 =$	32	$3454 - 2222 =$
8	$700 + \underline{\hspace{2cm}} = 1000$	33	$4000 + 20 + 1 =$
9	$1300 + \underline{\hspace{2cm}} = 2000$	34	$5072 = 5000 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$
10	$2900 + \underline{\hspace{2cm}} = 3000$	35	$96 - 54 =$
11	$123 + 265 =$	36	$549 - 38 =$
12	$343 + 112 =$	37	$3 _ _ 2 + 604 = 986$
13	$451 + 114 =$	38	$161 \square 146$ insert $>$ or $<$
14	$399 - 5 =$	39	$187 \square 176$ insert $>$ or $<$
15	$17 - 9 =$	40	Double 5
16	$80 - 10 =$	41	Double 7
17	$60 - 5 =$	42	Half of 16
18	$122 - 35 =$	43	Halve 26
19	$101 - 44 =$	44	$56p + 87p = \text{£} \underline{\hspace{2cm}}$
20	$316 - 159 =$	45	$2340 + 7000 + 200 + 7 =$
21	$11 \times 5 =$	46	$12 \times 4 =$
22	$7 \times 2 =$	47	$12 \times 2 =$
23	$5 \times 6 =$	48	$13 \times 4 =$
24	$5 \times 10 =$	49	$17 \times 2 =$
25	$6 \times 11 =$	50	$14 \times 3 =$
Total out of 25 =		Total out of 25 =	

