


Plattsburg Public School
Learning from Home

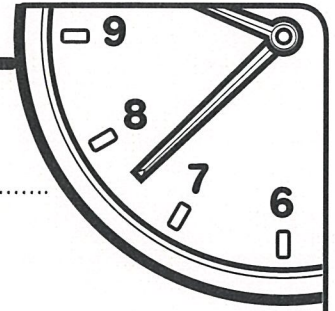
BLUE NUMERACY





Monday

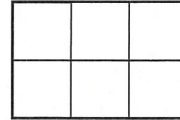
Minute 1



Name: Date:

1. The area of the shape is 6 square units.

Circle: **True** or **False**



2. Jenna wants to purchase a pad of drawing paper for \$5.00, a charcoal pencil for \$0.75 and an eraser for \$1.25.

How much money does she need altogether to buy the supplies? \$.

3. 45

+ 4

.....

.....

4. Complete the fact family.

$5 \times 7 = 35$

$7 \times 5 = \dots\dots\dots$

$35 \div 7 = 5$

$35 \div 5 = \dots\dots\dots$

5. Circle the figure that matches the shaded figure.



A

B

C

D

6. The **difference** between 8 and 5 is

7. The expanded form of 654 is $600 + 50 + \dots\dots\dots$

8. The **sum** of 8 and 5 is

For Questions 9 and 10, circle the digit in the tens place.

9. 456

10. 925

My score:

10

My time:

..... minutes

..... seconds



1. Write the numbers represented on each abacus.

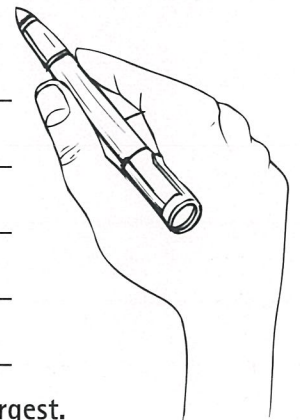
(a) 	(b) 	(c) 	(d)
(e) 	(f) 	(g) 	(h)

2. Represent these numbers on each abacus.

(a) 	(b) 	(c) 	(d)
35 720	14 846	85 392	90 531

3. Write the number that comes before and after each of these.

- | | |
|------------------------|------------------------|
| (a) _____ 5 648 _____ | (b) _____ 17 581 _____ |
| (c) _____ 65 960 _____ | (d) _____ 43 967 _____ |
| (e) _____ 9 362 _____ | (f) _____ 89 158 _____ |
| (g) _____ 21 304 _____ | (h) _____ 93 692 _____ |
| (i) _____ 59 071 _____ | (j) _____ 75 093 _____ |



Write the ten numbers from Question 3 in order from smallest to largest.

Adding 4-Digit Numbers with Regrouping

LO: I can add 4-digit numbers with regrouping.

$$\begin{array}{r} 1 \quad 4078 \\ + 7806 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 3020 \\ + 7033 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 8389 \\ + 2094 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 1938 \\ + 8398 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \quad 8784 \\ + 9969 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 8580 \\ + 1887 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \quad 9771 \\ + 8489 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \quad 5602 \\ + 9250 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \quad 2851 \\ + 2330 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10 \quad 8976 \\ + 7249 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \quad 6942 \\ + 3220 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \quad 7238 \\ + 5733 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 13 \quad 4265 \\ + 8270 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14 \quad 8811 \\ + 2787 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15 \quad 1899 \\ + 8179 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16 \quad 6073 \\ + 6379 \\ \hline \\ \hline \end{array}$$


Challenge:

$$\begin{array}{r} 1 \quad 2_32 \\ + 31_2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 96_ \\ + 6_80 \\ \hline \\ \hline \end{array}$$

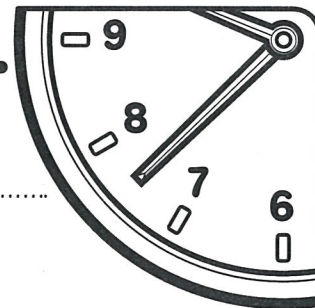
$$\begin{array}{r} 3 \quad 25_7 \\ + _39_ \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 8_2_ \\ + _060 \\ \hline \\ \hline \end{array}$$



Tuesday

Minute 2



Name: Date:

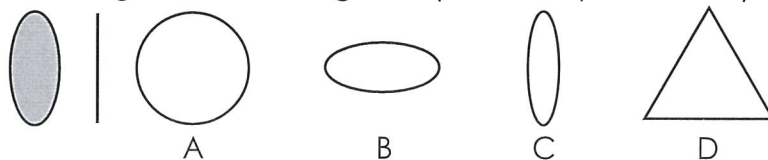
1. $15 - 8 = \dots\dots\dots$

2. Continue the pattern. 4, 8, 12, 16, 20,,

3.
$$\begin{array}{r} 33 \\ + 5 \\ \hline \end{array}$$

.....

4. Circle the figure that is **congruent** (same shape and size) to the shaded figure.



5.
$$\begin{array}{r} 38 \\ - 5 \\ \hline \end{array}$$

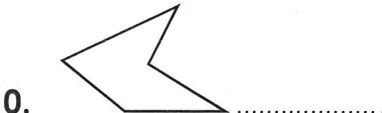
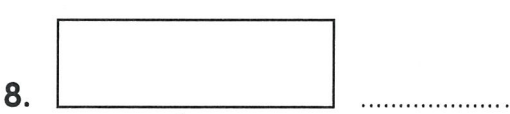
.....

6. Complete the fact family. $6 \times 7 = 42$ $7 \times 6 = \dots\dots\dots$
 $42 \div 7 = 6$ $42 \div 6 = \dots\dots\dots$

7.
$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

.....

In Questions 8 to 10, does the figure have a line of symmetry? Write yes or no. If yes, draw the line(s) of symmetry.



My score:

10

My time:

..... minutes seconds

Addition With 5 Digit Numbers

$$\begin{array}{r} 1. \quad 56833 \\ + 44105 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 68640 \\ + 28360 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 92195 \\ + 17742 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 28446 \\ + 55824 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 68586 \\ + 75019 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 94929 \\ + 68567 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 84658 \\ + 85858 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 71778 \\ + 88411 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 34522 \\ + 45861 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 99394 \\ + 46453 \\ \hline \end{array}$$

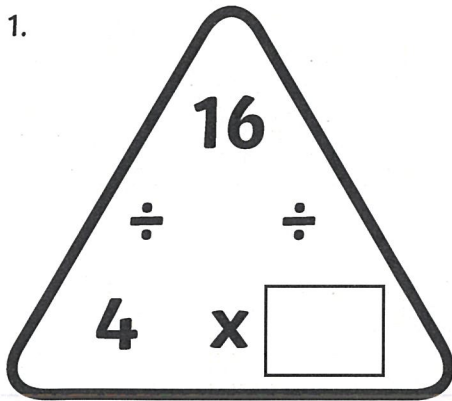
$$\begin{array}{r} 11. \quad 98584 \\ + 52426 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 16373 \\ + 26611 \\ \hline \end{array}$$

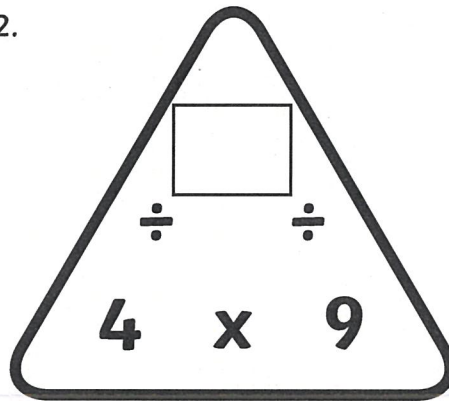
Multiplication Triangles

Fill in the blanks in these multiplication triangles.

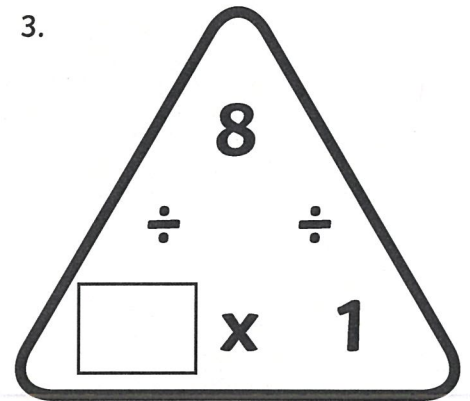
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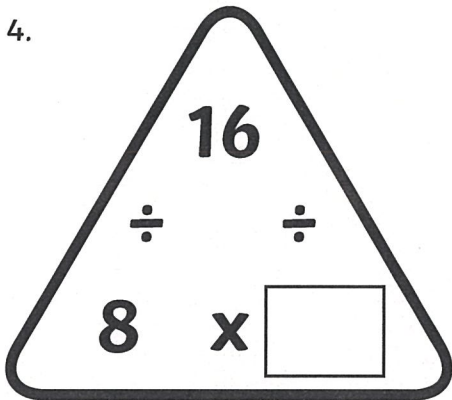
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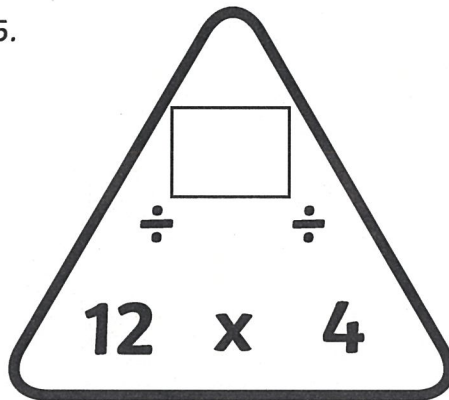
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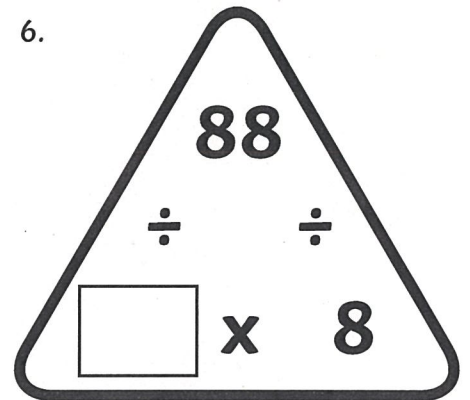
4.



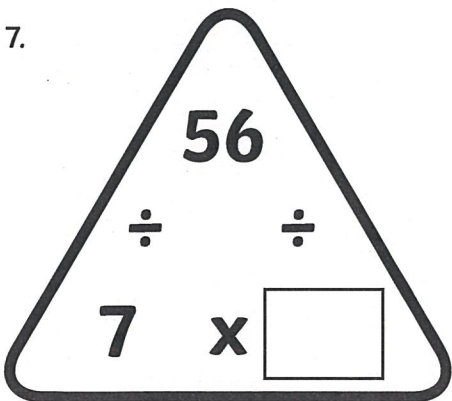
5.



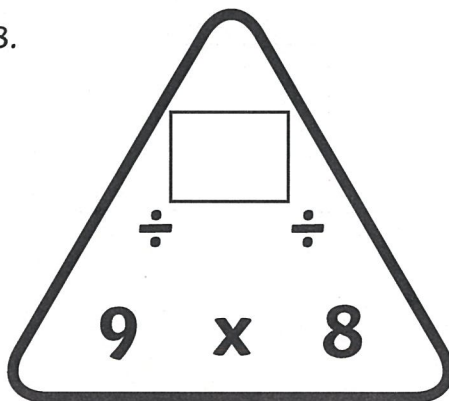
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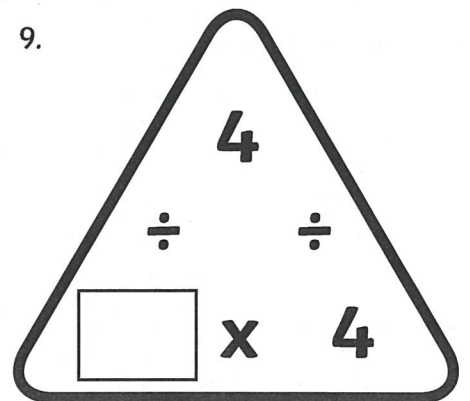
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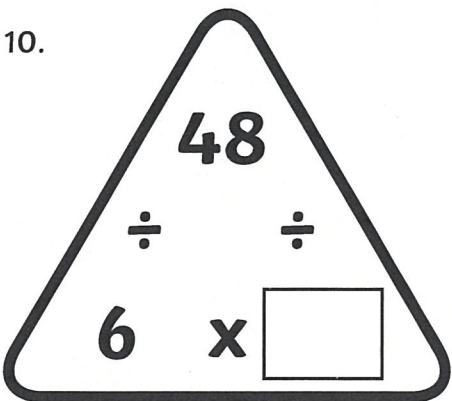
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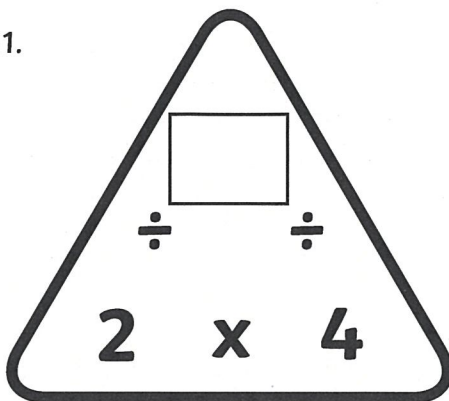
9.



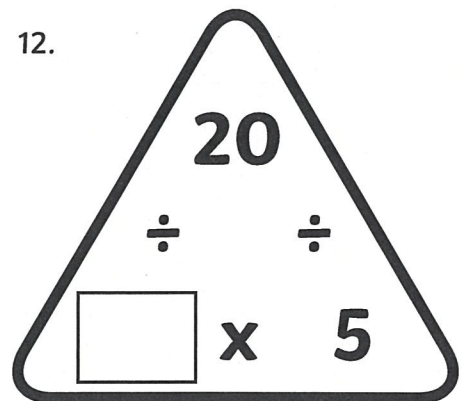
10.



11.



12.

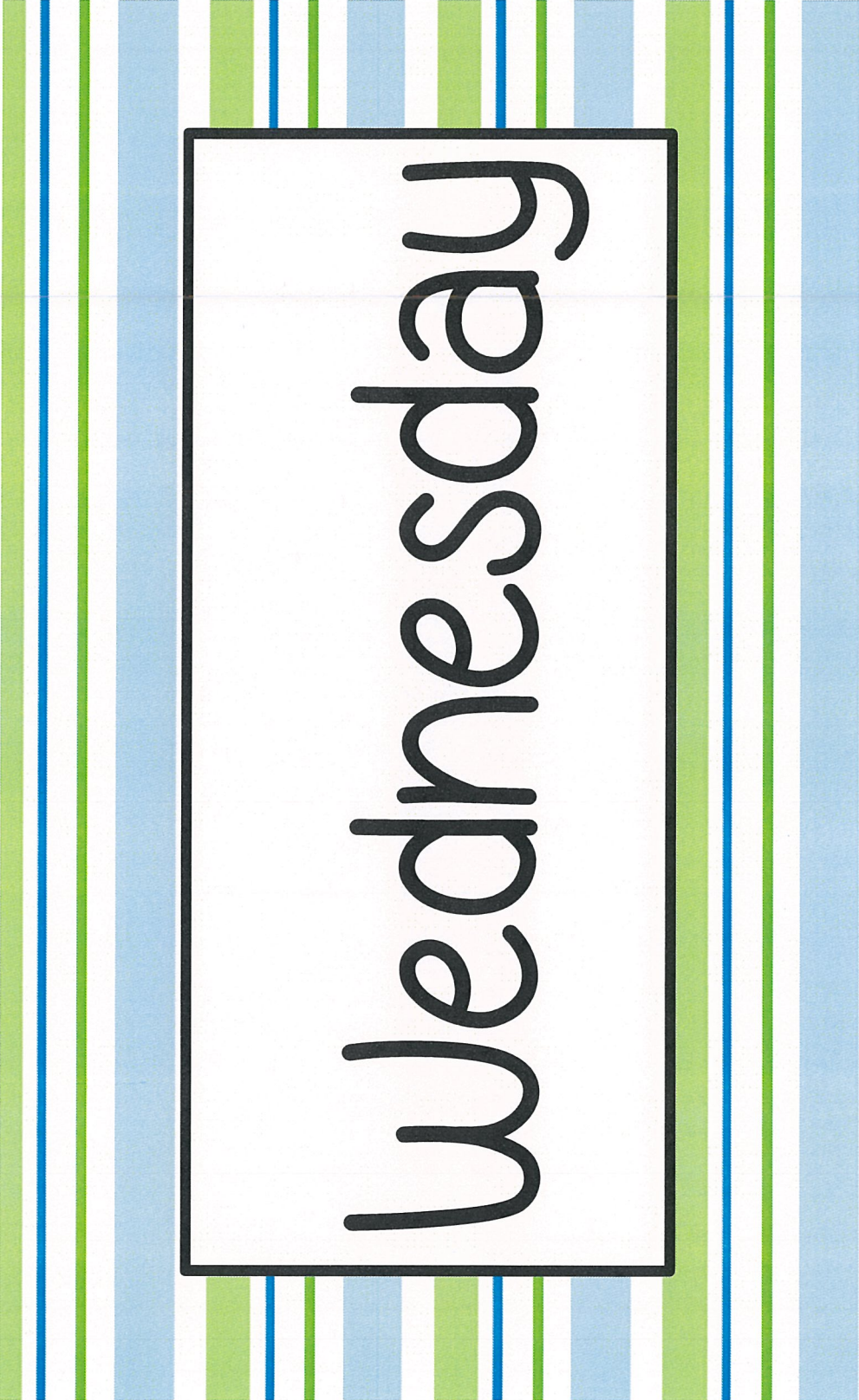


Colour by Multiplication and Division

Work out the answer to the multiplication sentences and colour in the shape with the colour of the correct answer.

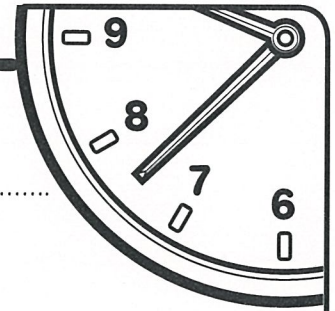
0-20 21-40 41-60 61-80 81-100 101-120 121-140
blue pink green orange purple red yellow

15 ÷ 3 8 × 4 8 × 12 7 × 7 8 × 8
21 ÷ 7 9 × 6
5 × 11 2 × 7 12 × 6
11 × 12 4 × 9 7 × 10 9 × 5 16 ÷ 2
60 ÷ 5 33 ÷ 11 11 × 10 3 × 7
28 ÷ 7 6 × 9 70 ÷ 7 2 × 12 4 × 8
9 × 10 7 × 9 3 × 9 9 × 6
7 × 4 10 × 12 10 × 11
50 ÷ 2 72 ÷ 12 12 × 6 5 × 8 6 × 5
6 × 8 11 × 6 11 × 4 8 × 12
9 × 4 40 ÷ 10 6 × 6 11 × 11
108 ÷ 9 8 × 10 10 × 10



Wednesday

Minute 3

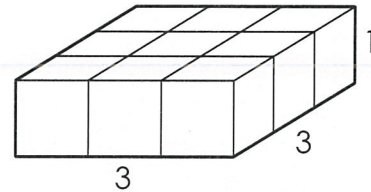


Name: Date:

1. $4 \overline{)48}$

2. $\begin{array}{r} 21 \\ + 6 \\ \hline \end{array}$
.....
.....

3. The **volume** of the shape is 9 cubic units.
length x width x height = volume (1 x 3 x 3)



Circle: True or **False**

4. Complete the fact family. $5 \times 8 = 40$ $8 \times 5 = \dots\dots\dots$
 $40 \div 8 = \dots\dots\dots$ $40 \div 5 = \dots\dots\dots$

5. Polly bought a new collar and leash for her dog. The total was \$7.50. She paid with a ten-dollar note.
How much change did she receive? \$......

6. $\begin{array}{r} 45 \\ - 3 \\ \hline \end{array}$
.....
.....

7. $\begin{array}{r} 14 \\ \times 2 \\ \hline \end{array}$
.....
.....

Write <, > or = to complete Questions 8 to 10.

8. $3 \dots\dots\dots 13$

9. $31 \dots\dots\dots 13$

10. $310 \dots\dots\dots 310$

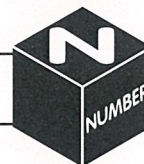
My score:

10

My time:

..... minutes

..... seconds



1. Write the numbers represented on these abacuses.

<p>(a)</p> <p>H-Th T-Th Th H T O</p>	<p>(b)</p> <p>H-Th T-Th Th H T O</p>	<p>(c)</p> <p>H-Th T-Th Th H T O</p>	<p>(d)</p> <p>H-Th T-Th Th H T O</p>
<p>(e)</p> <p>H-Th T-Th Th H T O</p>	<p>(f)</p> <p>H-Th T-Th Th H T O</p>	<p>(g)</p> <p>H-Th T-Th Th H T O</p>	<p>(h)</p> <p>H-Th T-Th Th H T O</p>

2. Write these numbers on the place value chart.

	hundred thousands	ten thousands	thousands	hundreds	tens	ones
(a) 54 782						
(b) 132 846						
(c) 405 288						
(d) 651 839						
(e) 533 197						
(f) 712 805						
(g) 284 670						
(h) 943 692						

3. Write the number that is one more than ...

- | | | |
|-------------------|-------------------|-------------------|
| (a) 241 766 _____ | (b) 713 944 _____ | (c) 503 452 _____ |
| (d) 879 421 _____ | (e) 178 999 _____ | (f) 375 685 _____ |
| (g) 600 430 _____ | (h) 943 157 _____ | (i) 400 000 _____ |



Make the smallest and largest numbers you can using this set of numbers: 5, 9, 0, 8, 1, 3.

smallest: _____ largest: _____

Long Multiplication Practice

- 3 Digits x 2 Digits

1.

		1	6	1
x			2	3
<hr/>				

2.

		2	3	2
x			2	6
<hr/>				

3.

		6	1	4
x			1	8
<hr/>				

4.

		9	6	9
x			9	5
<hr/>				

5.

		7	4	0
x			9	6
<hr/>				

6.

		3	6	2
x			5	8
<hr/>				

7.

		3	0	5
x			7	1
<hr/>				

8.

		3	7	0
x			6	4
<hr/>				

9.

		5	8	4
x			1	5
<hr/>				

10.

		8	5	1
x			8	9
<hr/>				

11.

		7	4	9
x			9	8
<hr/>				

12.

		4	8	2
x			2	3
<hr/>				

13.

		6	4	6
x			1	0
<hr/>				

14.

		7	0	9
x			1	7
<hr/>				

15.

		9	1	4
x			5	7
<hr/>				

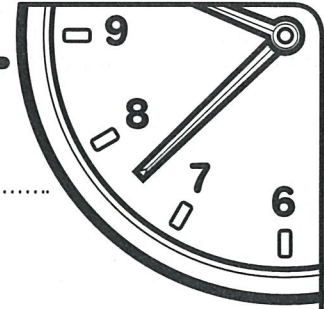
16.

		7	1	8
x			4	5
<hr/>				



Thursday

Minute 4



Name: Date:

1.
$$\begin{array}{r} 85 \\ - 2 \\ \hline \end{array}$$

.....

2. $7 \overline{)35}$ Which number is the **dividend** in this problem?

3. Riley has a 100-page book. She has read half of it.
How many pages does she have left to read? pages

4. Complete the fact family. $9 \times 4 = \dots\dots\dots$ $4 \times 9 = \dots\dots\dots$
 $36 \div 9 = \dots\dots\dots$ $36 \div 4 = \dots\dots\dots$

5. $4 \overline{)28}$

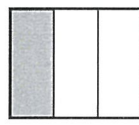
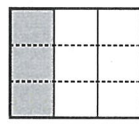
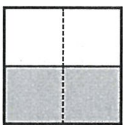
6.
$$\begin{array}{r} 62 \\ + 7 \\ \hline \end{array}$$

.....

7.
$$\begin{array}{r} 16 \\ \times 2 \\ \hline \end{array}$$

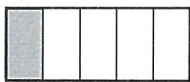
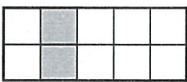
.....

For Questions 8 to 10, write the equivalent fraction.



8. $\frac{2}{4} = \frac{\square}{2}$

9. $\frac{3}{9} = \frac{\square}{3}$



10. $\frac{2}{10} = \frac{\square}{5}$

My score:

10

My time:

..... minutes seconds

WRITING NUMBERS



1. Write these words as numerals.

- (a) five thousand, three hundred and twenty-one _____
- (b) forty-eight thousand, one hundred and thirteen _____
- (c) two hundred and fifty-six thousand, six hundred and thirty _____
- (d) five hundred and eleven thousand, nine hundred and forty-eight _____
- (e) three hundred and one thousand, nine hundred and sixty-two _____
- (f) eight hundred thousand _____
- (g) six hundred and fourteen thousand, five hundred and eighty-three _____

2. Write these numerals in words.

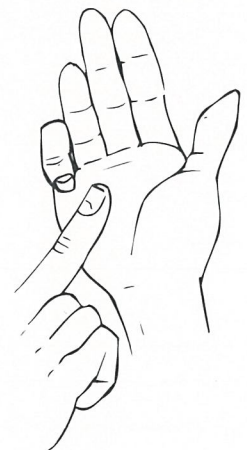
- (a) 617 _____
- (b) 14 572 _____
- (c) 78 593 _____
- (d) 324 860 _____
- (e) 835 645 _____
- (f) 189 765 _____
- (g) 546 908 _____

3. Use these numbers to write the largest possible number.

- (a) 3 7 9 1 3 2 _____ (b) 8 4 0 2 5 9 _____
- (c) 0 6 9 1 8 5 _____ (d) 9 1 7 9 3 4 _____
- (e) 3 5 1 7 1 7 _____ (f) 5 3 2 8 4 6 _____

4. Write the smallest possible number using the numbers above.

- (a) _____ (b) _____ (c) _____
- (d) _____ (e) _____ (f) _____

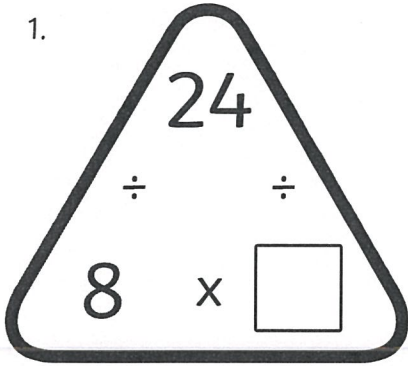


Working with a partner, play 'Guess the number', answering 'higher' and 'lower' to give clues to the answer.

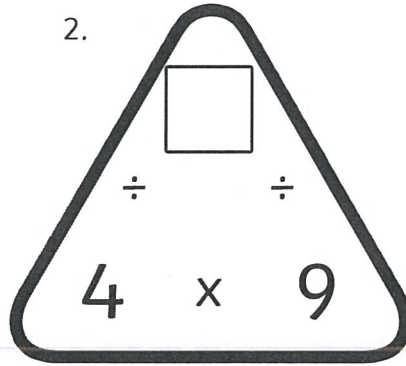
Multiplication Triangles

Fill in the blanks in these multiplication triangles.

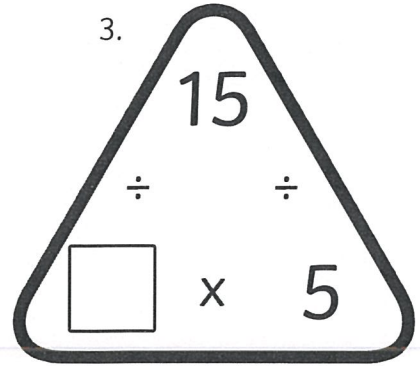
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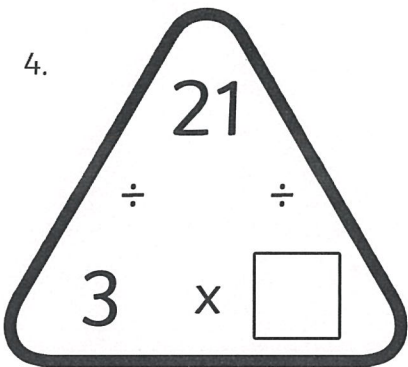
2.



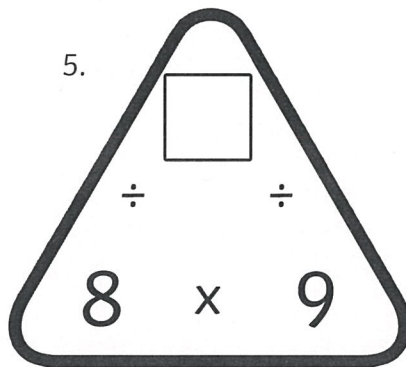
3.



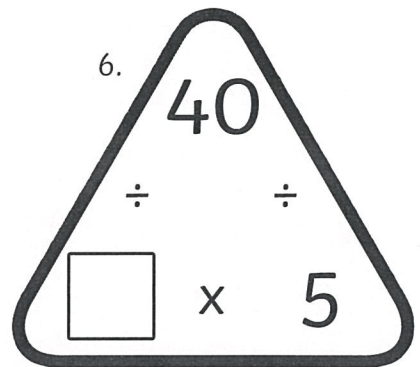
4.



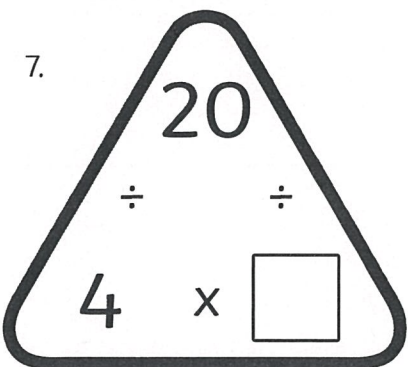
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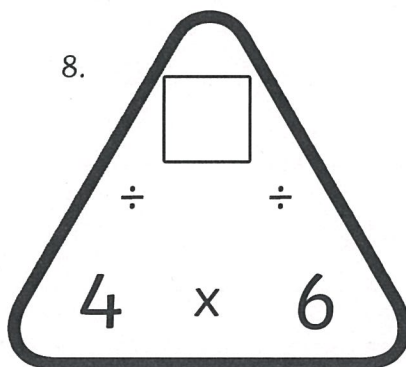
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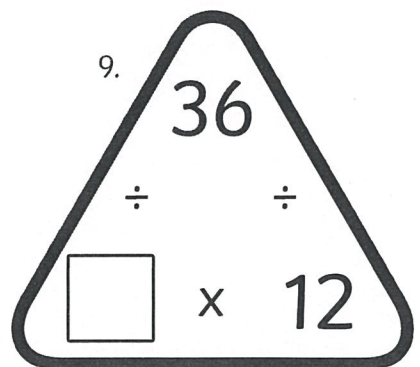
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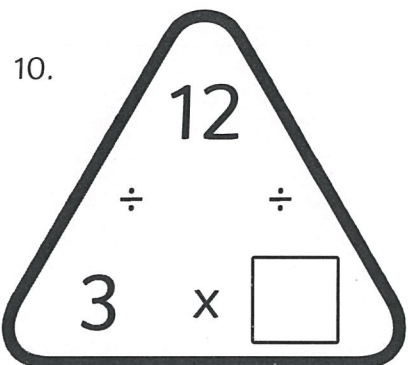
8.



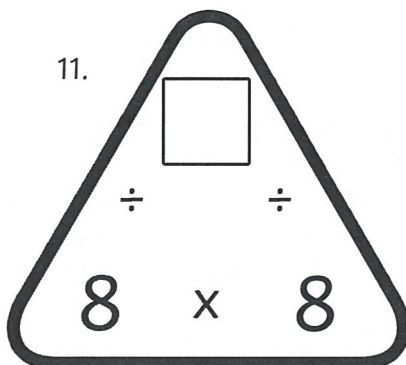
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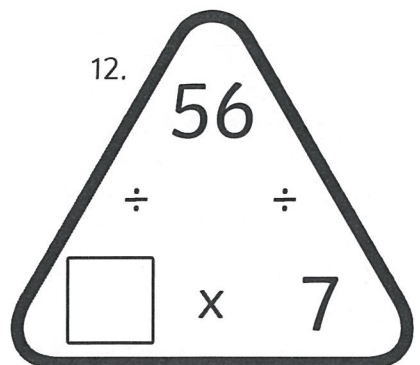
10.



11.



12.



Place value of whole numbers – expanded notation

When we write numbers using expanded notation, we identify and name the value of each digit.

$$4\ 231 = 4\ 000 + 200 + 30 + 1$$

1 Express the numbers in expanded notation:

a 8 246

b 468

c 761

d 1 645

e 971

f 7 385

g 1 978

2 Express the expanded notation in numerals:

a $600 + 80 + 7 =$

b $3\ 000 + 700 + 40 + 5 =$

c $800 + 30 + 4 =$

d $200 + 60 + 9 =$

e $2\ 000 + 800 + 40 + 6 =$

f $7\ 000 + 900 + 20 + 5 =$

g $200 + 40 + 5 =$

h $9\ 000 + 800 + 30 + 2 =$

3 Answer the following questions.

a Tim says 4 329 in expanded notation is written as $4\ 000 + 3\ 000 + 29$. Is he correct? _____

b Now he says that 5 847 is written as $5\ 000 + 800 + 40 + 7$. Is he correct this time? _____

c Look carefully at the number 8 953. Why don't we expand it as $8 + 9 + 5 + 3$?

d What is the point of a zero in the middle of 7 049? It has no value so why not just leave it out?



Friday



1. Write the numbers for these words.

- | | |
|-------------------------------------------------------|------------------------------------|
| (a) thirty-seven _____ | (b) one hundred and four _____ |
| (c) three hundred and twenty-nine _____ | (d) six hundred and fourteen _____ |
| (e) nine hundred and eighty-five _____ | |
| (f) three thousand, two hundred and forty-six _____ | |
| (g) five thousand, four hundred and ninety-one _____ | |
| (h) eight thousand, seven hundred and sixty-two _____ | |



2. Write the words for these numbers.

- | | |
|----------------|----------------|
| (a) 63 _____ | (b) 109 _____ |
| (c) 495 _____ | (d) 617 _____ |
| _____ | _____ |
| (e) 1230 _____ | (f) 4781 _____ |
| _____ | _____ |
| (g) 6029 _____ | (h) 8412 _____ |
| _____ | _____ |

3. Draw lines to match the words with the numbers.

- | | | |
|-------------------------------------------------|---|--------|
| (a) three hundred and fifty-six | • | • 8153 |
| (b) two thousand, four hundred and eleven | • | • 356 |
| (c) nine hundred and one | • | • 2411 |
| (d) eight thousand, one hundred and fifty-three | • | • 901 |



On the back of this sheet, see how many little words you can make by rearranging the letters in the word 'THOUSAND'.

Written methods – addition

	H	T	U
	5	6	2
+	1	4	5
			7
	1	0	0
	6	0	0
	7	0	7

We can also add each place value separately and then add these together:

$$2 + 5 = 7$$

$$60 + 40 = 100$$

$$500 + 100 = 600$$

$$7 + 100 + 600 = 707$$

3 Solve these addition problems using a written strategy of your choice:

e:

a

	H	T	U
	3	8	5
+	4	2	3

e:

b

	H	T	U
	4	1	2
+	2	3	8

e:

c

	H	T	U
	9	2	2
+		6	9

e:

d

	H	T	U
	1	8	8
+	4	1	4

e:

e

	H	T	U
	7	2	4
+		2	9

e:

f

	H	T	U
		3	6
+	1	4	4

4 Can you work out what the missing numbers should be? Remember there may have been some regrouping!

a

	H	T	U
	4		5
+		2	
	8	5	7

b

	H	T	U
	¹ 1	¹ 5	9
+	2	4	
		0	6

c

	H	T	U
	5	¹ 6	7
+			9
	9	9	

Guess, check and improve will help me here.



DISCOVER

Written methods – subtraction

	H	T	U
	9	8	¹ 4
-	2	7	8
	7	1	6

First we estimate: $1000 - 300 = 700$

We start with the units. We can't take 8 away from 4 so we must rename one of the tens as units. We now have 14 units.

14 subtract 8 is 6 so we put the 6 in the units column.

8 tens subtract 7 tens is 1 ten so we put a 1 in the tens column.

We subtract the hundreds. 9 hundred subtract 2 hundred is 7 hundred. Put a 7 in the hundreds column.

We check the answer against our estimate.

1 Complete the subtraction problems:

e:

a

	Th	H	T	U
	4	9	8	2
-		1	5	3

e:

b

	Th	H	T	U
	2	9	5	1
-		8	7	8

e:

c

	Th	H	T	U
	3	8	7	2
-		5	8	6

When a problem asks us to find the difference, we subtract. We always start with the larger number.

Showtown	4129 km	Tidings	1233 km
Normanville	3262 km	Ringer	7869 km
Roper	7419 km	Harpville	486 km
Ace Bay	1226 km	Eagle Bay	595 km

2 Solve these to find the difference problems:

a How far from Showtown to Ringer?

	Th	H	T	U
-				

b What is the distance from Normanville to Tidings?

	Th	H	T	U
-				

c What is the distance from Roper to Eagle Bay?

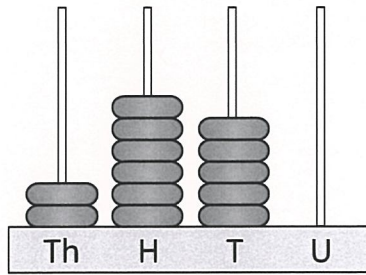
	Th	H	T	U
-				

d How far from Normanville to Ace Bay?

	Th	H	T	U
-				

Place value of whole numbers – place value to 4 digits

The place or position of a digit in a number helps us understand its value.



2 650

2 is worth 2 000 or two thousands

6 is worth 600 or six hundreds

5 is worth 50 or five tens

0 is worth zero or no units

1 Fill in the place value chart for each number. The first one has been done for you.

	Thousands	Hundreds	Tens	Units
a	465	4	6	5
b	8 972			
c	45			
d	798			
e	4 507			
f	3 041			

2 Write the number shown on each abacus.

