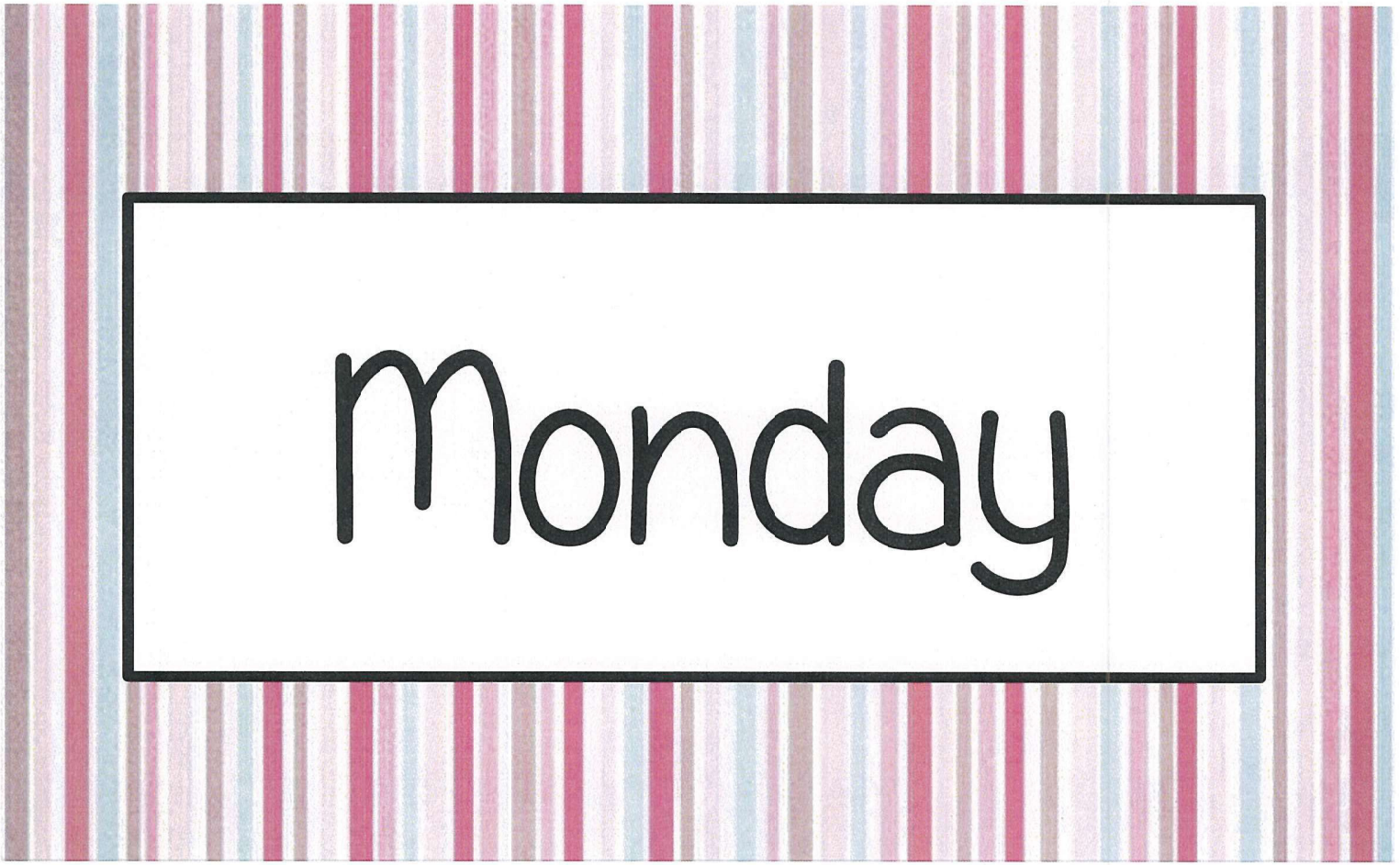
Plattsburg Public School

Learning from Home

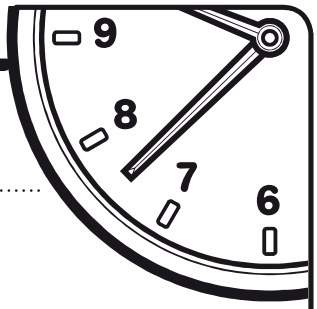
Year 4

Group 1

NUMERACY


Monday

Minute 29



Name: ..... **Date:** .....

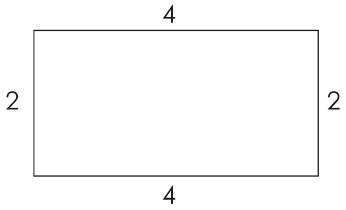
1. 54
+ 28
.....

.....

2. The expanded form of 556 is ..... + ... + ...

3. The perimeter of the shape is 12.

Circle: True or False



4. 24 ÷ 4 = ...

5. 7 x 2 = ...

6. 96
– 35
.....

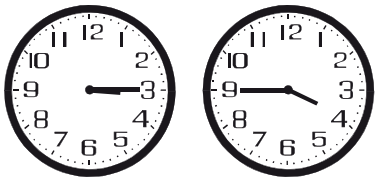
.....

7. $3\overline{)6}$ $\square$

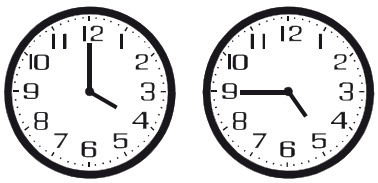
8. Circle the abbreviation for **kilogram**. kg klg Kg

For Questions 9 and 10, write how much time has passed.

9. 3.15 to 3.45 = ... minutes



10. 4.00 to 4.45 = ... minutes



My score: ____ / 10

My time: ..... minutes ..... seconds

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Maths

Section 1

Use <, = or > to make these statements true:

$\frac{2}{6}$ ☐ $\frac{4}{12}$

$\frac{1}{4}$ ☐ $\frac{3}{16}$

Section 2

Cathy buys a handbag for $45.99.

She also buys some shoes for $55.50.

How much has she spent altogether?

Section 3

How many hours is 180 minutes?

Section 4

How much change would I receive from $5 if I was to purchase the following items?

Section 5

Two children share 3 apples. What fraction of the apples does each child have?

Section 6

Using any 3 of the numbers below, write 2 division statements and 2 multiplication statements.

12 8 9 96

division statements	multiplication statements

Section 7

A pie shop makes pies with 3 different types of pastry and 12 different fillings. How many different pie combinations are sold? Write your answer as a number sentence.

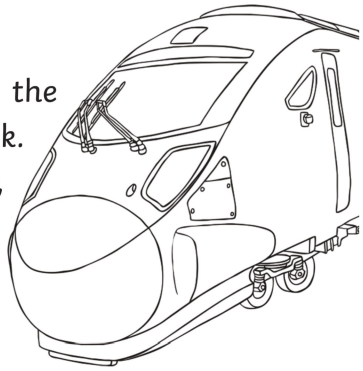
Section 8

Using the column method, complete the calculation:

	$	2	3	. 9	8	
–		$	7	. 1	8	

	$	2	0	. 6	0	
–		$	8	. 5	9	

Estimation Station



Euston Station in London is an extremely busy train station. Here are the results for the number of people using this station each day for a week. Round each number to the nearest thousand. Remember, for each number, look at the hundreds column. If it is **5 or more**, you round up and if it is **4 and under**, you round down.

For example: 5**7**96 rounds up to 6000

Day	Number of visitors	Rounded to the nearest thousand
Monday	5679	
Tuesday	8216	
Wednesday	4423	
Thursday	3758	
Friday	8921	
Saturday	7526	
Sunday	8469	

When completing column addition and subtraction questions, you should try to estimate the answer first as this will give you an indication of what the answer should be. If your answer to the calculation isn't close to your estimation, you may have made a mistake and then you can recalculate the answer. To estimate the answer, you will need to round each number to the nearest thousand then add or subtract the rounded numbers.

For example: 3549 + 4561
Rounded is: 4000 + 5000 = 9000

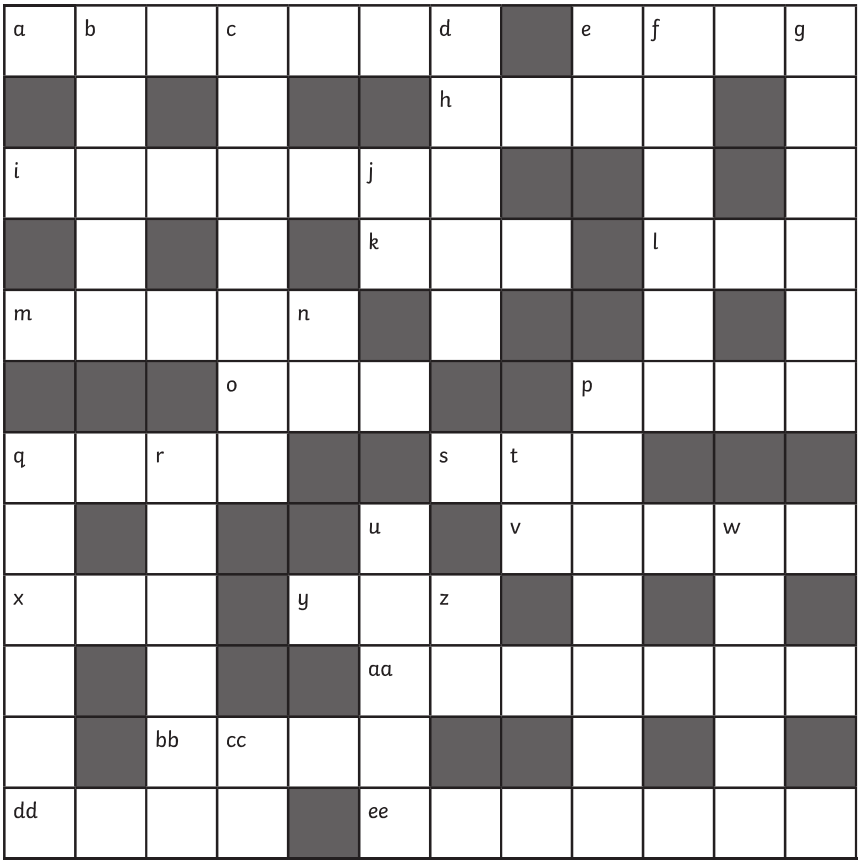
Use rounding to estimate the answers to the following questions:

1. 4685 + 6258 rounded is _____ + _____ = _____

2. 8254 – 3549 rounded is _____ - _____ = _____

3. 7635 – 6210 rounded is _____ - _____ = _____

Crossnumber Place Value to 1 000 000



Across

a. 1 000 000 + 300 000 + 40 000 + 2000 + 700 + 50 + 6

e. 5000 + 100 + 80 + 4

h. 3000 + 600 + 80 + 7

i. 1 000 000 + 600 000 + 50 000 + 4000 + 800 + 20 + 6

k. 800 + 50 + 7

l. 600 + 6

m. 80 000 + 8000 + 100 + 20 + 2

o. 300 + 60 + 7

p. 1000 + 800 + 20 + 1

q. 3000 + 40 + 5

s. 400 + 60 + 1

v. 70 000 + 6000 + 500 + 30 + 9

x. 900 + 50 + 7

y. 500 + 70 + 9

aa. 1 000 000 + 500 000 + 400 + 30 + 6

bb. 5000 + 300

dd. 9000 + 40 + 5

ee. 1 000 000 + 900 000 + 70 000 + 5000 + 50 + 3

Down

b. 30 000 + 4000 + 600 + 70 + 8

c. 2 000 000 + 400 000 + 40 000 + 9000 + 200 + 30 + 5

d. 60 000 + 3000 + 600 + 50 + 4

e. 50 + 8

f. 100 000 + 70 000 + 5000 +600 + 8

g. 400 000 + 50 000 + 5000 + 600 + 10 + 1

j. 20 + 8

n. 20 + 6

p. 1 000 000 + 100 000 + 60 000 + 5000 + 90 + 5

q. 300 000 + 9000 + 60 + 9

r. 400 000 + 60 000 + 7000 + 800 + 50 + 4

t. 60 + 7

u. 60 000 + 7000 + 100 + 1

w. 30 000 + 1000 + 300 + 20 + 5

z. 90 + 5

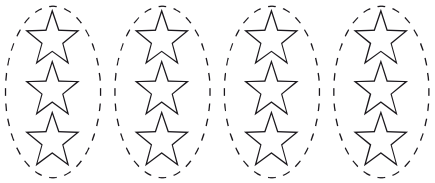
cc. 30 + 5


Tuesday

Minute 23

Name: ..... **Date:** .....

1. 12 ÷ 3 = ...



2. The expanded form of 237 is 200 + 30 + ...

3. Complete the fact family.

5 + 8 = ... 13 – 5 = ...

8 + 5 = 13 13 – 8 = 5

4.
60
+ 39
.....

.....

5. What time does the clock show? 35

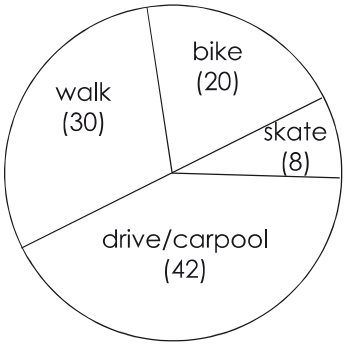
6. Write the next two numbers in the pattern.

6, 12, 18, 24, 30, ..., ...

7. 3 x 9 = ...

Use the pie graph to complete Questions 8 to 10.

How students get to school



8. How do most students get to school? .....

9. What is the least common way students get to school? .....

10. How many more students walk to school than ride their bikes? ..... more students

My score: ____ / 10

My time: ..... minutes ..... seconds

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Continue the Number Pattern

I can use an addition or subtraction rule to complete a number pattern. (ACMNA060)

Use the rule to help you complete the number patterns.

1. Rule = +12

   24, 36, 48, 60, _____, _____, _____.

2. Rule = +8

   48, 56, 64, 72, _____, _____, _____.

3. Rule = +15

   150, _____, 180, 195, 210, _____, _____.

4. Rule = +6

   66, 72, 78, 84, _____, _____, _____.

5. Rule = -5

   49, 44, 39, 34, _____, _____, _____.

6. Rule = -10

   194, _____, 174, 164, _____, 144, _____.

7. Rule = -3

   97, 94, _____, 88, _____, _____, 79.

Can you create your own number pattern? Show me!

Don't forget to write down the rule!

Multiples - Find the Odd One Out

Multiples of 2

Circle the odd one out

28	6	14
12	22	4
21	8	30

Multiples of 3

Circle the odd one out

12	36	31
24	9	27
3	39	16

Multiples of 4

Circle the odd one out

24	8	16
20	40	36
14	28	32

Multiples of 5

Circle the odd one out

30	25	51
55	15	40
20	60	75

Multiples of 6

Circle the odd one out

21	42	18
54	30	66
36	48	6

Multiples of 7

Circle the odd one out

63	14	35
42	28	56
24	70	77

Multiples of 8

Circle the odd one out

32	72	16
80	20	64
8	88	24

Multiples of 9

Circle the odd one out

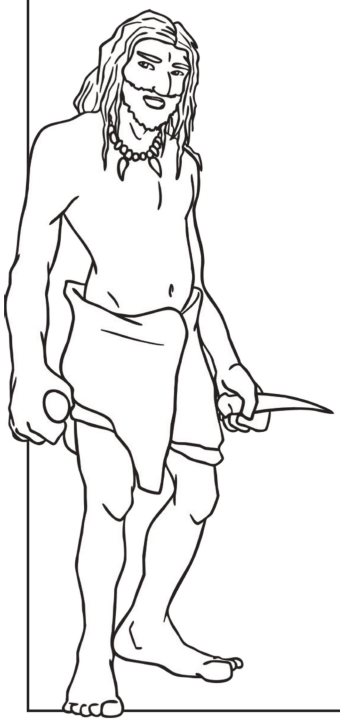
99	54	18
108	90	36
27	63	11

Cavemen Column Addition

These cave people from the Stone Age have been collecting lots of food for their tribe to eat. For the entire month, Taruk and Renn have been collecting nuts and insects. Can you calculate how much they have collected of each item altogether? Use column addition to calculate your answers. Show your working out in the space below.

Item	Taruk	Renn	Total
Sunflower Seeds	5287	3142	
Hazelnuts	1438	2592	
Nettle Leaves	3584	1583	
Snails	1305	2358	
Caterpillars	468	967	
Mussels	2549	1348	
Juniper Berries	3462	2344	
Eggs	926	2051	

Show your working out here:



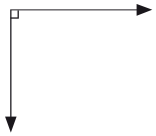

Wednesday

Minute 26

Name: ..... **Date:** .....

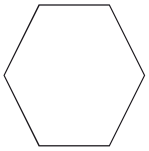
1. 21 ÷ 3 = ...

2. This is an angle.



Circle: True or False

3. 1 x 6 = ...



4. There are ..... angles and ..... sides on the shape.

5. 2 x 9 = ...

6. 86
+ 15
.....

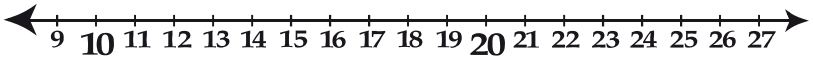
.....

7. Write 910, 91, 19 and 901 in order from **least** to **greatest**.

.....

8. The expanded form of 529 is ..... + 20 + ...

For Questions 9 and 10, round the number to the nearest ten.



9. 14 rounds to .....

10. 18 rounds to .....

My score: ____ / 10

My time: ..... minutes ..... seconds

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Identifying Number Pattern Rules

Work out what the number pattern rule is for each of these patterns. The pattern might be increasing (addition +) or decreasing (subtraction −).

Use the rule to help you complete the number patterns.

30	___	60	75	___	___	**Rule:** _____
66	63	___	___	___	51	**Rule:** _____
249	244	___	___	229	___	**Rule:** _____
21	28	___	___	49	___	**Rule:** _____
72	60	48	___	___	___	**Rule:** _____
8	16	24	___	___	___	**Rule:** _____
132	___	140	___	148	___	**Rule:** _____
109	100	___	___	73	___	**Rule:** _____

Name: _____ Date: _____

Year 4 Mixed Tables Test

			Check
1.	4 x 7 =		
2.	6 x 8 =		
3.	9 x 9 =		
4.	3 x 8 =		
5.	7 x 7 =		
6.	4 x 6 =		
7.	7 x 6 =		
8.	3 x 9 =		
9.	6 x 9 =		
10.	8 x 6 =		
11.	7 x 10 =		

My score: ☐

			Check
12.	16 ÷ 4 =		
13.	60 ÷ 6 =		
14.	9 ÷ 9 =		
15.	27 ÷ 3 =		
16.	49 ÷ 7 =		
17.	24 ÷ 4 =		
18.	18 ÷ 6 =		
19.	21 ÷ 3 =		
20.	56 ÷ 7 =		
21.	100 ÷ 10 =		
22.	81 ÷ 9 =		

My score: ☐

How I can improve: _____

What's My Number?

Follow the clues below to figure out the number in this maths riddle.
Cross out every number that the clue eliminates.
At the end you should be left with only one number

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Clues

My number has two digits.

It is not divisible by 5.

The first digit is bigger than the second digit.

It is not an even number.

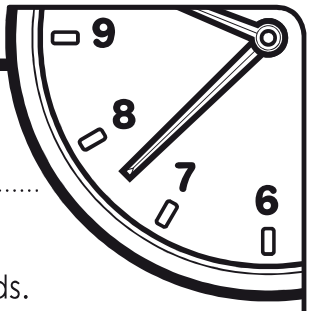
It is divisible by 3.

Its digits add up to 12.

The number is _____ .


Thursday

Minute 24



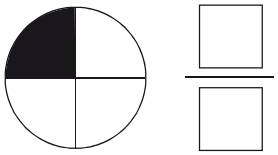
Name: ..... **Date:** .....

1. Ash had 14 lollipops. He gave 4 lollipops away to his friends.

   How many lollipops does he have left? ..... lollipops

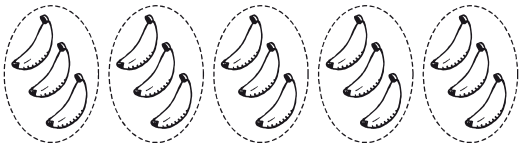
2. The expanded form of 253 is 200 + ... + 3.

3. Write the fraction of the shaded area.



4. 3 x 8 = ...

5. 15 ÷ 3 = ...

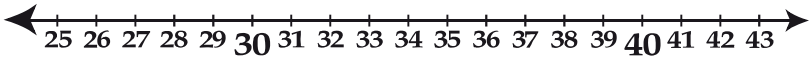


6. 34
   + 17
   .....

   .....

7. 7 x 7 = 49 Which number is a **factor**? .....

For Questions 8 to 10, use the number line to round the number to the nearest ten.



8. 36 rounds to .....

9. 28 rounds to .....

10. 35 rounds to .....

My score: ____ / 10

My time: ..... minutes ..... seconds

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Continue the Number Patterns

I can continue patterns with fractions, decimals and whole numbers resulting from addition or subtraction (ACMNA107).

Continue each pattern and write down what the rule is. The first one has been done for you!

Whole Number Patterns:

1. 20, 42, 64, 86, 108, **130**, **152**, **174** — Rule = **the pattern is add 22**
2. 109, 124, ☐, 154, 169, ☐, ☐ — Rule = ☐
3. 120, 108, ☐, ☐, 72, 60, ☐, ☐ — Rule = ☐

Decimal Number Patterns:

4. 0.010, 0.015, 0.020, ☐, 0.030, ☐, ☐ — Rule = ☐
5. 1.5, 1.7, 1.9, ☐, ☐, 2.5, ☐ — Rule = ☐

Fraction Number Patterns:

6. $\frac{1}{2}$, 1, $1\frac{1}{2}$, ☐, ☐, 3, ☐, 4, $4\frac{1}{2}$, ☐ — Rule = ☐
7. 5, $4\frac{3}{4}$, $4\frac{2}{4}$, ☐, 4, ☐, ☐ — Rule = ☐

Create Your Own Patterns!

Whole number pattern: _____

The rule is: _____

Decimal number pattern: _____

The rule is: _____

Fraction number pattern: _____

The rule is: _____

Place Value Challenge

Arrange the given digits to make a number that meets the given criteria.

1. Between 1234 and 2000:
2, 1, 8, 9

2. Between 1306 and 1345:
0, 1, 4, 3

3. Between 1278 and 1299:
2, 1, 8, 6

4. Between 2300 and 2456:
3, 1, 8, 2

5. Between 3000 and 3500:
2, 9, 3, 4

6. Between 8764 and 9000:
2, 1, 8, 8

7. Between 5600 and 5700:
6, 4, 5, 9

8. Between 5426 and 9843:
2, 6, 8, 9

9. Between 1234 and 1239:
2, 1, 3, 8

Magic Squares

Amazing Fact

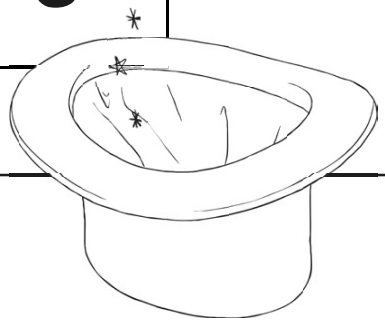
In 2004, the Czech magician Zdenek Zahradka spent 10 days buried underground in a coffin without food or water. He survived by breathing through a ventilation pipe.

Challenge

Did you know that maths and numbers can also be magic?

Look at the magic square below. The total along any line, horizontal, vertical or diagonal is the same. The 'magic number' for this square is 34. Now complete the activity sheet provided.

2	7	12	13
16	9	6	3
5	4	15	10
11	14	1	8



You could also try to find out:

- which other tricks he has performed;
- what is the longest time anyone has survived without food or water;
- which similar tricks have been performed by other magicians;
- why people fast for long periods.

Magic Squares

Complete these magic squares.

Don't use the same number twice in a square and the numbers must add up to the same number in each row, column and diagonal line.

a)

8		9
	6	
3		4

b)

13	9	8
12		

c)

3		
10	5	
2		

d)

2	7	6
9		1
	3	

e)

	2	
	7	
4		5

f)

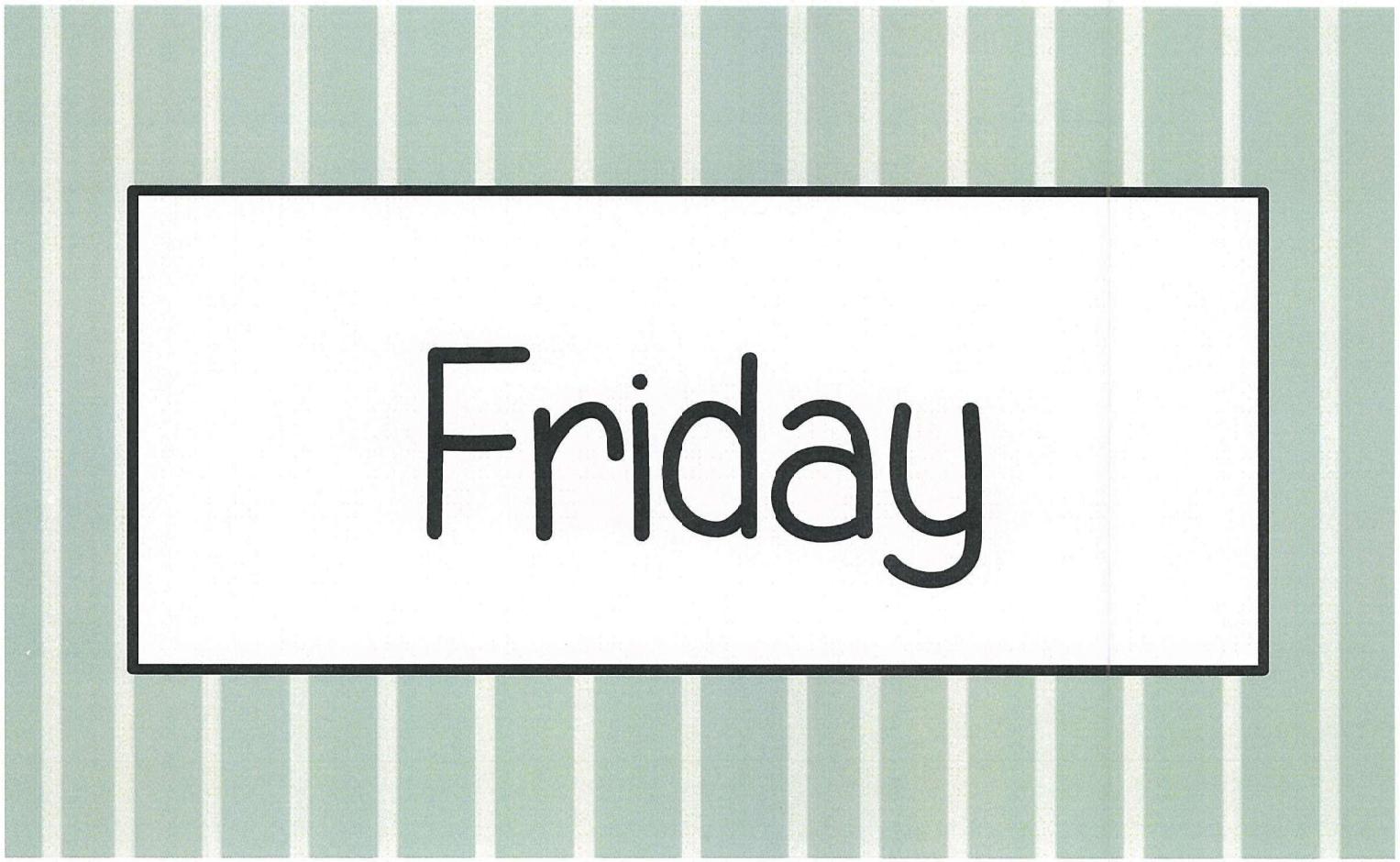
6		11
7		12

g)

9		
8		6
		5

h) Now make your own.

i) Now make your own.


Friday

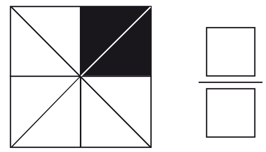
Minute 27

Name: .... **Date:** ....

1. The expanded form of 921 is .... + ... + ...

2. 8 ÷ 4 = ...

3. Write the fraction of the shaded area.



4. 6 x 2 = ...

5. Brian has 50c. He mows the lawn and earns an additional $1.00.

How much money does he have now? ....

6. 3) 9 = □

7.

```
  44
+ 48
.........

.........
```

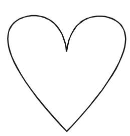
8. What is the abbreviation for **millilitre**? ....

In Questions 9 and 10, does the figure have symmetry? Circle Yes or No.

If yes, draw the line of symmetry.

9. Yes No

10. Yes No



My score: ——— **10**

My time: .... minutes .... seconds

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What Is the Question?

Write maths questions for the following answers .

The answer is 184. What is the question?	
Write the equation.	Write a story.
	_____ _____ _____

The answer is 631. What is the question?	
Write the equation.	Write a story.
	_____ _____ _____

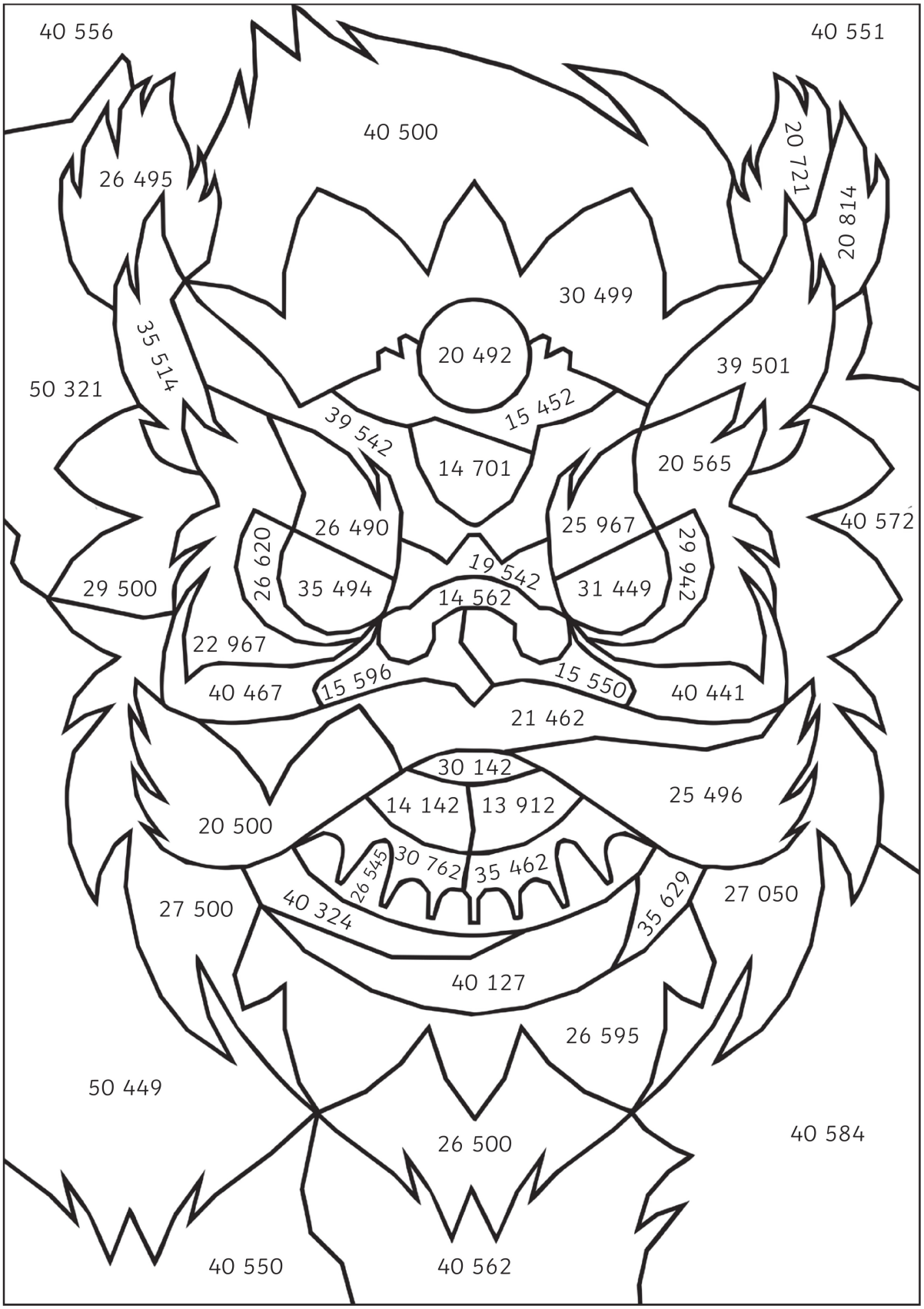
The answer is 364. What is the question?	
Write the equation.	Write a story.
	_____ _____ _____

Multiplying 3-Digit Numbers by 1-Digit Numbers

725 x 3	973 x 2	344 x 4	226 x 3
575 x 2	897 x 4	919 x 3	843 x 5
427 x 4	784 x 5	148 x 3	991 x 4
987 x 3	328 x 5	684 x 3	143 x 2

Rounding to the Nearest 1000

Round each number to the nearest 1000. Then, use the key to shade each section in the correct colour.



Pink
10 000–14 000

Yellow
15 000

Green
16 000–20 000

Orange
21 000–26 000

White
27 000–30 000

Black
31 000–35 000

Red
36 000–40 000

Dark Red
41 000–50 000