<u>Year 4 Learning Pack</u>

Dear Year 4 children,

We hope that you are enjoying the work we have been sending home for you to complete. We miss having you in the classroom and hope that you are working hard at home and continuing to demonstrate the 4Rs.

From,

Mrs Stanley, Mrs Miles and Mrs Bennett ☺

Maths - 30 mins TT Rockstars per day and complete the maths pack by the end of the week

Reading – 40 mins reading (including reading to someone and being read to) and 20 mins spellings per day (please learn the certificate words)

Writing – completion of the weekly writing challenge (including self-editing)

Topic – completion of the weekly topic challenge.

Extended Learning Competition – design a poster to describe and explain our school vision (3 weeks).

Our School Vision

We aim to be the school of choice at the heart of our community.
Through living our Christian values, all children and adults at WCEJS
have the opportunity to flourish as individuals.
We nurture the ==curiosity== to learn, the ==courage== to lead
and the ==compassion== to care.

Our School Values

Reflection   Respect   Responsibility   Resilience

This week, the maths sheets have been split into Mild, Medium, Hot and Chilli Pepper Challenge tasks. The children are very used to seeing their maths sheets organised like this. Children choose which task to attempt and move themselves on if the work they are doing is not challenging them. Chilli Pepper Challenge is designed to further challenge reasoning and problem solving skills once the children have attempted the Hot work.

MATHS DAY 1

L.O. Solve addition and subtraction word problems

Mild

question

I buy crisps for 35p and a drink for 62p. How much do they cost all together?

question

A football team scores 6 goals in the first half and 3 in the second half. How many goals did they score all together?

question

John is 135 cm tall. Faye is 123 cm tall. How much taller is John than Faye?

question

Tim has 60p. Jake has 25p more. How much money does Jake have?

Medium

1.) A TV costs £470. In the sale, the price is reduced by £150. What is the new price of the TV?

2.) In a long jump competition, George jumped 235 cm. The winner jumped 278 cm. How much further was the winning jump?

3.) Sam's height is 106 cm. His dad is 187 cm tall. How much taller is his dad?

4.) In May, 754 people visit the swimming pool. In June the number of visitors increases by 343. How many people visit in June?

5.) Tom bought a chocolate bar for 68p and paid with a five pound note. How much change will he get?

6.) In October there were 543 visitors to a theme park. In November the number of visitors declined by 100. How many visitors were there in November?
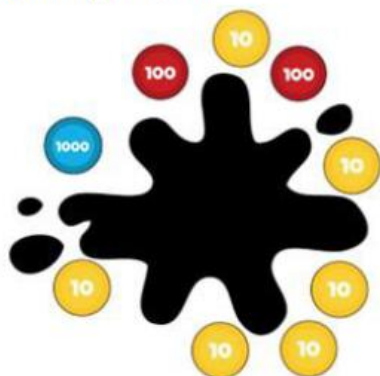
Hot

1.) There were 223 children playing on the playground. 113 went in. Then 144 more children came out. How many children were on the playground now?

2.) Sophie has £494 in her savings account. She takes out £154. She then gets give £272. How much does she have now?

3.) In the first week of a sale a shop makes £3491 and in the second week, £2219. In the third week, the shop loses £112. How much does the shop have now?

4.) A shop had 341 books. 122 were sold. The shop then bought 213 more. How many books does the shop have now?

5.) A warehouse has 631 sacks of potatoes in stock. 294 sacks are sold. There is then a delivery of 22 more. How many sacks are left?

6.) There are 443 lions in a Safari Park. 121 move to another location. The safari Park then gets given 222 more. How many are now left?

Chilli Pepper Challenge

There are counters to the value of 3,470 on the table but some have been covered by the splat.

How many different ways can you make the missing amounts?

Tamsin adds 2 numbers together that total 4,444

Both numbers have 4 digits.

All the digits in both numbers are even.

Tamsin

What could the numbers be? Prove it. How many ways can you find?

MATHS DAY 2

L.O. use a written method to multiply

Mild

1. 40 x 2

2. 60 x 2

3. 30 x 3

4. 40 x 6

5. 60 x 3

Medium

1. 17 x 3

2. 23 x 6

3. 14 x 7

4. 16 x 8

5. 14 x9

MATHS DAY 2 CONTINUED

Hot

1. 463 x 7

2. 588 x 8

3. 752 x 4

4. 827 x 9

5. 596 x 8

Chilli Pepper Challenge

1. Mike and his friend were buying cards for seven pounds each. How much did they spend if Mike bought 23 packs and his friend bought 86 packs?

2. John was collecting cans for recycling. On Saturday he filled 26 bags up and on Sunday he filled three more bags. If each bag had 9 cans in it, how many cans did he pick up total?

3. A waiter had 21 tables he was waiting on, with 7 women and 2 men at each table. How many customers total did the waiter have?

4. April's discount flowers was having a sale where each flower was 9 pounds each. If Vanessa bought 13 roses and eight daisies, how much did she spend?

5. A pet store has 36 bird cages. If each cage has six parrots and four parakeets in it, how many birds does the pet store have in total?

MATHS DAY 3

L.O. use a written method to divide

Vocabulary

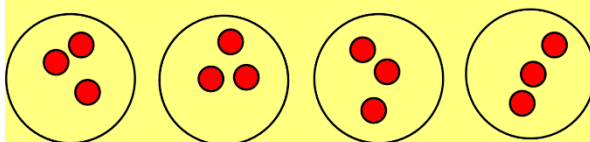| Dividend | A dividend is the first number in a division sentence. It is the number that is being divided. | Dividend ↓ $40 \div 8 = 5$ |
| Divisor | A divisor is the second number(s) in a division sentence. | $40 \div 8 = 5$ Divisor |
| Quotient | The answer in a division calculation. | Dividend ↓ $40 \div 8 = 5$ Divisor Quotient |

Mild

Use counters or cubes to solve these problems.

1. $20 \div 4 =$
2. $18 \div 3 =$
3. $15 \div 3 =$
4. $18 \div 9 =$
5. $14 \div 7 =$

Example

$12 \div 4 = 3$

Medium

If there is a remainder, write it as r ____.
Use the example to help you.

$362 \div 7 =$

$$\begin{array}{r} 5\ 1\ \text{r5} \\ 7\overline{\smash{\big)}3\ 6\ {}^1 2} \end{array}$$

$362 \div 7 = 51\ r5$

1.) $246 \div 2 =$
2.) $555 \div 5 =$
3.) $554 \div 4 =$
4.) $734 \div 6 =$
5.) $349 \div 3 =$

6.) $527 \div 4 =$
7.) $672 \div 5 =$
8.) $331 \div 2 =$
9.) $534 \div 3 =$
10.) $649 \div 4 =$

MATHS DAY 3 CONTINUED

Hot

Give the remainder as r ___. If you want an extra challenge, write the remainder as a fraction.

Use the example to help you.

$362 \div 7 =$

$$\begin{array}{r} 5\ 1\ r5 \\ 7\overline{\smash{\big)}3\ 6\ {}^12} \end{array}$$

$362 \div 7 = 51\ r5$

$496 \div 11$ becomes

$$\begin{array}{r} 4\quad 5\ r1 \\ 11\overline{\smash{\big)}4\ 9\ {}^56} \end{array}$$

Answer: $45\frac{1}{11}$

1.) $5293 \div 4 =$

2.) $9842 \div 8 =$

3.) $4567 \div 3 =$

4.) $9758 \div 9 =$

5.) $7550 \div 6 =$

6.) $5133 \div 5 =$

7.) $8632 \div 7 =$

8.) $5125 \div 4 =$

9.) $5236 \div 5 =$

Chilli Pepper Challenge

Deeper understanding

I am thinking of a 3-digit, odd number.

The ones column is one less than the tens column.

If I divide my number by 6, there is a remainder of 5.

If I divide my number by 9, there is a remainder of 2.

Can you work out my number? Is there more than one option?

Deeper understanding

A number can be exactly divided by another number and the quotient is 5.
The sum of the dividend and the divisor is 840.

What is the dividend?

What is the divisor?

MATHS DAY 4

Understand Roman Numerals

Mild

Roman Numerals			
1 = I	10 = X	100 = C	1000 = M
2 = II	20 = XX	200 = CC	2000 = MM
3 = III	30 = XXX	300 = CCC	3000 = MMM
4 = IV	40 = XL	400 = CD	
5 = V	50 = L	500 = D	
6 = VI	60 = LX	600 = DC	
7 = VII	70 = LXX	700 = DCC	
8 = VIII	80 = LXXX	800 = DCCC	
9 = IX	90 = XC	900 = CM	

1 Match the numbers to the Roman numerals.

1	5	10	50	100

L	C	V	X	I

2 Write each number in Roman numerals.

a) 7   b) 12   c) 23   d) 55   e) 72   f) 89   g) 17   h) 41   i) 27

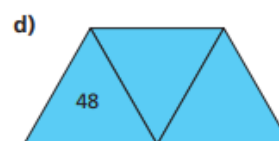**3** Eva lives in this house.

What number does Eva live at?

XXIV

Medium

Use the 7 Roman numerals to write the modern number.

Example

XXII = 22

1. XXIV
2. LXXI
3. LXVIII
4. XCVI
5. XXVIII
6. XCI

Each diagram should show a number in numerals, words and Roman numerals. Complete the diagrams.

a) twenty-six / 26

b) XIII

c) seventy

d) 48

MATHS DAY 4 CONTINUED

Hot

81	XXVIII
28	LXXIV
34	LXXXI
63	XXXIV
74	LXIII

Complete the function machines.

a) LXI → + 1 → ☐

b) LXI → + 10 → ☐

c) XVII → + 10 → ☐

d) LXXV → − 1 → ☐

e) LIX → − 1 → ☐

f) XIV → − 10 → ☐

g) LXXVII → + 10 → ☐

Chilli Pepper Challenge

Complete the calculation.

XXIX + ☐ = LXI + ☐

How many other calculations can you write that give the same total?

Compare answers with a partner.

L.O. Tell the time

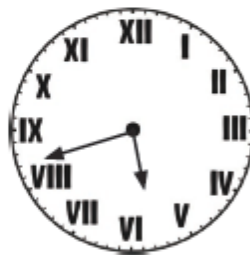# Read, Write and Compare the Time: 12-Hour and 24-Hour

Read the time on these analogue clocks. Write each time in 12-hour and 24-hour formats.

In the morning

_____

_____
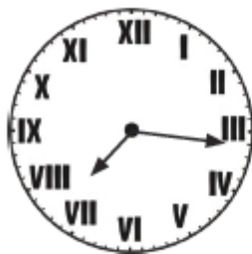
In the evening

_____

_____

In the afternoon

_____

_____

In the early morning

_____

_____

In the afternoon

_____

_____

In the morning

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In the morning

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In the evening

_____

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In the morning

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In the afternoon

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_____

In the evening

_____

_____

In the afternoon

_____

_____

Writing Activity

Research Roald Dahl. You can use the internet at home or the PowerPoint presentations we have put on the school website. Take notes about his life and the interesting books that he wrote.

Think about answering questions such as:

- **Where was he born?**
- **Where did he live?**
- **What jobs did he have?**
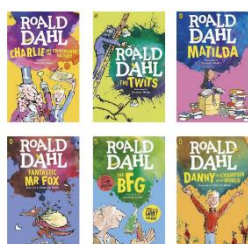- **How many books did he write?**

With the information you have collected, create a fact file about Roald Dahl. You can create your own fact file or a poster. You may even want to create a PowerPoint or you may think of another original way to present your information.

This task should last you a week as you should spend the first couple of days gathering your information and then work on how you would like to present it.

Use the steps to success below to help you to organise your information report.

The FEATURES of a Non-Chronological Report			
FEATURE	✔	FEATURE	✔
Topic Title (The subject)		Factual Language	
Brief Introduction (who, what, where)		Present Tense	
Paragraphs		Technical Language	
Sub-headings		Third Person	
Fact Boxes or Bullet-points		Formal Tone	

We look forward to seeing your information texts when you return to school ☺

Topic Work

History

Research the Viking gods and goddesses. You may want to use the PowerPoint from the school website to help you. Choose your favourite god and write about them. You may want to use the worksheet below to help.

Viking God

What does your Viking God look like?	Draw your Viking God here.	What are the powers of your Viking God?
What do they look after?		Is your god evil or good? What do they like doing?

The stories we have looked at in class may help you too. You can find them here:

https://www.bbc.co.uk/teach/class-clips-video/english-ks2-viking-sagas/zvrmy9q

Science

Mrs Miles has created a Science quiz for you about States of Matter. You can find it here:

https://kahoot.it/challenge/0251708?challenge-id=52b65c33-0832-493e-943d-1b2755976cba_1585133003937

The ID for the quiz is: 0251708