



## Year 3 Maths and English Home Learning Menu Spring A 2021 - WB 18.01.21

### MATHS- Sequence 1

#### Multiplication and Division ~ Times Tables.

Practice all of the times tables you know.

This should be 2x, 3x, 4x, 5x, 8x, 10x.

Don't just practice the times tables, practice the division facts that go with each one - the fact families.

Spend a bit more time on the ones you are unsure of rather than the ones you know well.

#### Multiplication and Division ~ ÷ 2- digit by 1-digit.

Practice using the partitioning method to divide these numbers.

Look at the example:

**64 ÷ 2 =** First we partition the number 64 into 60 and 4. Then we divide the tens by 2.  $60 \div 2 = 30$  and then divide the 1's by 2,  $4 \div 2 = 2$

|    | 10's | 1's      |
|----|------|----------|
| 64 | ÷ 2  | **** ÷ 2 |
|    |      | **       |
|    |      | **       |

To find the answer, add up the 10's and 1's in one of the rows, **30 + 2 = 32.**

Answer the following using the above method.  
 $32 \div 2 =$ ,  $66 \div 2 =$ ,  $86 \div 2 =$ ,  $48 \div 2 =$ ,  $28 \div 2 =$

#### Multiplication and Division ~ ÷ 2- digit by 1-digit.

Practice using the partitioning method to divide.

Look at the worksheet below and use the partitioning method to work out the answers to the questions.

#### Multiplication and Division ~ Derive new facts from known facts.

If we know  $3 \times 7 = 21$ , what else could we work out?

We could work out:  $7 \times 3 = 21$ ,  $21 \div 3 = 7$ ,  $21 \div 7 = 3$ ,  $30 \times 7 = 210$ ,  $3 \times 70 = 210$ ,  $210 \div 30 = 7$ ,  $210 \div 70 = 3$ .

What new facts can you derive (make) from  $4 \times 8 = 32$ ?

Write down all of the new facts you can create.

#### Multiplication and Division ~ x 2- digit by 1-digit.

Complete the sheet below.

#### Multiplication and Division ~ Word problems 1

Look at the word problems on the sheet below. Look carefully and work out what the question is asking you to do. Is it a multiplication or division?

#### Multiplication and Division ~ Word problems 2

Look at the word problems on the sheet below. Look carefully and work out what the question is asking you to do. Is it a multiplication or division? Write out the number sentence you will be answering.

#### Multiplication and Division ~

Answer these questions:

$7 \times 10 =$        $7 \times 100 =$        $220 \div 10 =$

$430 \div 10 =$        $6 \times 8 =$        $8 \times 8 =$

$66 \div 2 =$        $24 \div 2 =$        $550 \div 10 =$

## MATHS - Sequence 2

### Money ~ Revise and Compare

How many pennies are the same value as 10p?  
 How many pennies are the same value as 20p?  
 How many pennies are the same value as £1?  
 How many 10's are the same value as £1?  
 How many 20p's are the same value as £1?  
 Compare the following amounts using these symbols < > or = :

|      |  |      |
|------|--|------|
| 47p  |  | 32p  |
| 100p |  | £1   |
| 25p  |  | 52p  |
| 86p  |  | 45p  |
| 120p |  | 138p |

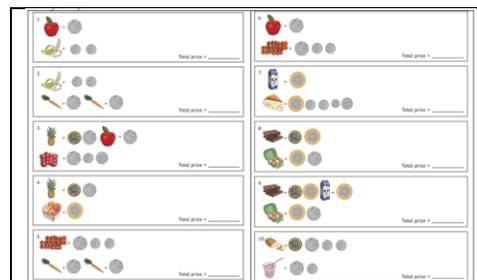
### Money ~ Revise and compare

How many £1 are the same value as £10?  
 How many £1 are the same value as £50?  
 How many £1 are the same value as £100?  
 How many £5 are the same value as £10?  
 How many £5 are the same value as £100?  
 Compare the following amounts using these symbols < > or = :

|       |  |       |
|-------|--|-------|
| £4.07 |  | £5.32 |
| 100p  |  | £10   |
| 250p  |  | £7.52 |
| £4.86 |  | £4.55 |
| £1.50 |  | 638p  |

### Money Addition of money

Look at the sheet below. Have a go add adding the cost of different items.



### Money Subtraction of money

Can you use the column method to answer these questions?

47p-32p  
 100p-10p  
 52p-25p  
 86p-45p  
 120p-138p  
 £5.32-£4.09  
 £10.00-£5.00  
 £7.25-£5.13  
 £4.86-£4.50  
 £6.38-£1.50

Try to use the column method, making sure that you keep the numbers in the correct columns.

### Money Add two items

Collect 10 items from around your house. Give each item a price. Choose 2 items and add them up. Repeat this 5 times. Then choose 3 items and add them up. Repeat this 3 times. When adding, try to use the column method, making sure that you keep the numbers in the correct columns.

### Money ~ Finding Change

Collect 10 items from around your house. Give each item a price. Imagine you have £5.00. What could you buy with your £5? How much money would you have left over? This is called change. Repeat this with 5 different items.

### Money ~ Finding Change

Collect 10 items from around your house. Give each item a price. Imagine you have £10.00. What could you buy with your £10? How much money would you have left over? This is called change. Repeat this with 5 different items.

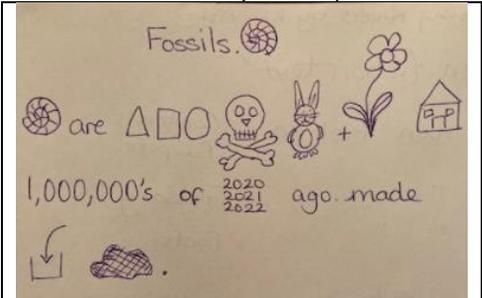
### Money ~ CHALLENGE

How many different combinations of coins that equal the same amounts of money can you find? For example:  
 10p= 1x10p, 5x2p, 2x5p, 10x1p,  
 5p+2p+2p+1p,  
 2p+2p+1p+1p+1p+1p+1p, etc...  
 How many ways can you make:  
 15p  
 40p  
 50p  
 73p  
 £1.00

## ENGLISH - Sequence 1

| <u>Writing /SPAG ~ Applying Inverted Commas</u>   | <u>Writing ~ Vocabulary</u>  | <u>Writing ~ Applying Inverted Commas</u>  | <u>Writing ~ Innovating a text</u>   |
|---|--|--|--|
| <p>When you are writing, <b>inverted commas</b> or <b>speech marks</b> go before and after direct speech, surrounding what was said.</p> <p>"I'm hungry," she complained.</p> <p>If another character replies, use another set of inverted commas.</p> <p>"What's for tea?" she asked.</p> <p>"Delicious ants!" her mum replied.</p> <p>Write out a conversation you have had today. Remember to put the inverted commas around the spoken parts and remember to start a new line for each different person speaking.</p> | <p>In the story 'The Fate of Fausto', Fausto was very angry. There are lots of other words for angry. How many can you think of? Could you use a thesaurus to find some other words that mean angry? Which of the words describe Fausto? Write sentences to describe why Fausto was so angry. Use some of the alternative words in your sentences.</p> <div style="text-align: center;">  </div> | <p>Throughout the book, Fausto spoke to lots of different things - a flower, a tree, a mountain and a lake.</p> <p>What else could he have spoken to? What other object could he have demanded that belonged to him?</p> <p>Choose a different object to the ones in the book.</p> <p>Write a conversation between Fausto and the object using inverted commas; for example,</p> <p style="background-color: #e0ffff;">"Beach. You belong to ME, you are mine!" commanded Fausto.</p> <p style="background-color: #e0ffff;">"I don't belong to anyone!" replied the beach. "Why do you want me?"</p> <p style="background-color: #e0ffff;">"I like walking all over you. You are soft and I like it, so you are mine, all mine!" he demanded</p> | <p>Remind yourselves of the story of 'The Fate of Fausto.'</p> <p>Use the link below to remind you; <a href="https://classroom.thenational.academy/lessons/to-understand-and-order-the-story-of-a-picture-book-75k38r">https://classroom.thenational.academy/lessons/to-understand-and-order-the-story-of-a-picture-book-75k38r</a></p> <p>Start the video at 7.37 mins.</p> <p>Using the story, can you think of 3 other things Fausto or another character could have come across before they ended up in the sea? Answer these questions about each of the 3 new items.</p> <p>What is the object?<br/>Where was the object?<br/>What was it doing?</p> |
| <p><u>Writing ~ Innovating a text.</u></p> <p>Fausto is a mean, angry, selfish character.</p> <p>Can you create a new character for your own version of the story? It could be a lady, a boy, a girl or another man. They could be old or young - the choice is yours!</p> <p>Draw your character and describe what they look like. Use expanded noun phrases to describe them.</p>   | <p><u>Writing ~ Innovating a text</u></p> <p>Look back at the character you have created. What are they like as a person?</p> <p>Write a paragraph describing what their personality is like. Can you explain why they are like that? Why are they selfish? Mean? Etc...</p>   | <p><u>Writing ~ Innovating a text</u></p> <p>You are going to plan the order of events for your version of the story.</p> <p>Which item will your character come to first? Can you describe it using an expanded noun phrase? What is the character going to say to the item? What will the item say in return?</p> <p>Complete the story board</p>  | <p><u>Writing ~ Creating a text</u></p> <p>Using your plan, write your own version of 'The Fate of Fausto.'</p> <p>Remember to use inverted commas when the characters are having a conversation.</p> <p>Remember to use expanded noun phrases some of the time, not for everything.</p> <p>Remember punctuation - capital letters and full stops.</p>   |

## ENGLISH - Sequence 2

| <u>Reading ~ Features of a text</u>   | <u>Reading ~ Comprehension</u>  | <u>Reading - retelling a text</u>  | <u>Reading ~ retelling a text</u>  |
|---|---|--|--|
| <p>Read the information text about Fossils (see below)</p> <ul style="list-style-type: none"> <li>• Read alone once,</li> <li>• Then read it with an adult.</li> <li>• Discuss any tricky words and any parts you don't understand.</li> <li>• Label the <b>headings, subheadings, photo/diagram, caption</b> and any <b>other features</b> of non-fiction texts you can spot.</li> <li>• Challenge - Can you explain the purpose of each feature?</li> </ul>   | <p>Re-read the information about fossils.</p> <p>Have a go at answering the questions. Write the answers in full sentences in your book.</p> <p>Remember to number the answers and make sure that your spellings are copied correctly.</p>  | <p>Have another read of the Fossils information.</p> <p>You are going to <b>text map</b> the text. Remember, you do not need to text map every word.</p>    | <p>Using your text map, think of actions for each of the images. This will help you to learn the text.</p> <p>Practice this a few times until you can retell the text just by your actions.</p>  |
| <p><u>Reading ~ retelling a text</u></p> <p>Using your text map, and not looking at the original text, can you re-write the information about Fossils?</p> <p>You can either:</p> <p> Keep it exactly the same.</p> <p> Change some of the words, or,</p> <p> Re-write it in your own words.</p> | <p><u>Reading ~ Apply</u></p> <p>One of Mary Anning's discoveries was an Ichthyosaur.</p> <p>What can you find out about an Ichthyosaur?</p> <p>Think about what you would like to find out and use these as your sub-headings.</p> <p>Research the answers to these questions. Write the questions and answers in your book.</p> | <p><u>Reading - Apply</u></p> <p>Using the information you have collected, create your own information text about the Ichthyosaur.</p> <p>You could use the same format and structure of 'Fossils,' if you are unsure how to set it out.</p> <p>Can you include all of the features of a non-fiction text?</p> | <p><u>Reading ~ Book Review</u></p> <p>Read a non-fiction book and write a review.</p> <p>What is the book about?</p> <p>What did you like about it?</p> <p>One new fact you learned from the book?</p> <p>Would you recommend this book to other people?</p> <p>Who would enjoy reading this book? Why?</p> |

# Divide 2-digits by 1-digit (1)

1 There are 84 pencils to be shared equally into 4 pots.



a) Draw the pencils on the place value chart to show how they are shared.

| Tens | Ones |
|------|------|
|      |      |
|      |      |
|      |      |
|      |      |

b) Complete the number sentences.

8 tens ÷ 4 =  tens

4 ones ÷ 4 =  one

84 ÷ 4 =

c) How many pencils are in each pot?

2 Use a place value chart to work out the calculations.

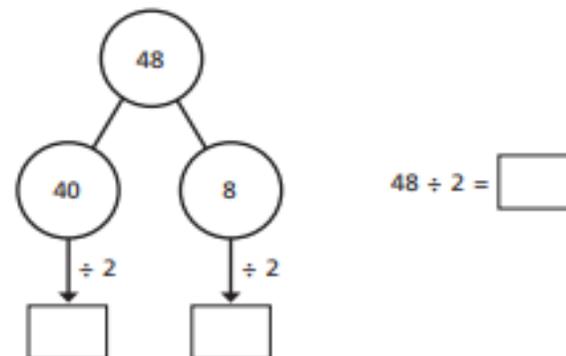
a)  $39 \div 3 = \square$

b)  $68 \div 2 = \square$

3 Amir solves  $48 \div 2$  on a place value chart.

| Tens  | Ones    |
|-------|---------|
| 10 10 | 1 1 1 1 |
| 10 10 | 1 1 1 1 |

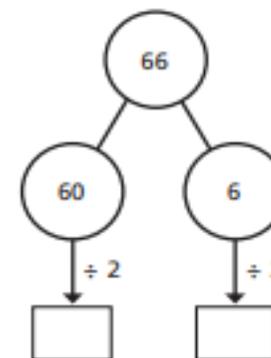
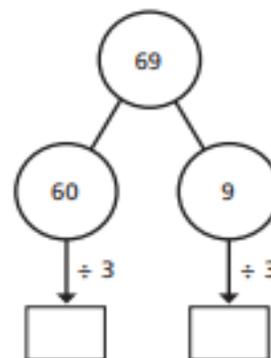
Complete the part-whole model to show what Amir has done.



4 Work out the divisions.

a)  $69 \div 3 = \square$

b)  $66 \div 2 = \square$



# Multiplication ~ x 2-digit by 1-digit



## Multiply 2-digits by 1-digit (1)

1 Ron, Eva and Mo each have 23 marbles.

| Tens | Ones |
|------|------|
|      |      |
|      |      |
|      |      |



How many marbles are there in total?

$$3 \times 3 \text{ ones} = \square$$

$$3 \times 2 \text{ tens} = \square$$

$$\square + \square = \square$$

$$3 \times 23 = \square$$

There are  $\square$  marbles in total.

2 Use the place value chart to work out  $2 \times 24$   
Complete the multiplication sentences.

| Tens | Ones |
|------|------|
|      |      |
|      |      |

$$2 \times 4 = \square$$

$$2 \times 20 = \square$$

$$2 \times 24 = \square$$

3 Annie works out  $43 \times 2 = 86$

| Tens | Ones |
|------|------|
|      |      |
|      |      |

|  |   |   |  |
|--|---|---|--|
|  |   |   |  |
|  | T | O |  |
|  | 4 | 3 |  |
|  | × | 2 |  |
|  | 8 | 6 |  |
|  |   |   |  |

Talk about Annie's methods with a partner.  
What is the same? What is different?

4 Complete the multiplications.

a)

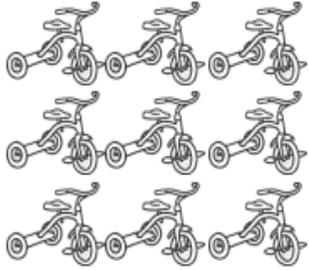
|  |   |   |  |
|--|---|---|--|
|  |   |   |  |
|  | T | O |  |
|  | 2 | 4 |  |
|  | × | 2 |  |
|  |   |   |  |
|  |   |   |  |

b)

|  |   |   |  |
|--|---|---|--|
|  |   |   |  |
|  | T | O |  |
|  | 4 | 4 |  |
|  | × | 2 |  |
|  |   |   |  |
|  |   |   |  |

## Word Problems 1

1. How many wheels would 9 tricycles have?




2. 24 people travel to an airport in taxis. 4 people travel in each taxi. How many taxis are used?




3. Hanan is a keen archer. One day she shoots 5 arrows. Each arrow scores an 8. What is her total score?




4. Three judges award 27 marks overall. They each give the same score. What score did they each give?




5. Cinema tickets are £8. Six people go to see a film. How much will they pay altogether?




6. Cans of lemonade are sold in packs of 4. Cherie wants 36 cans for a party. How many packs should she buy?




## Word problems 2

A class of 30 children are put into 5 football teams. How many children are there in each team?

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Holly is sharing 24 sweets between her and her 3 friends. How many sweets will they each get?

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Grandad George shared £44 equally between his 4 grandchildren. How much money did they each receive?



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Caroline has 27 stickers. She decides to put 3 stickers on each page of her scrapbook. How many pages will have stickers on?



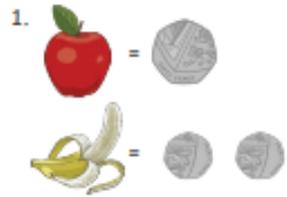
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Write out the number sentence you are going to work out, for example;

Tom has 18 sweets and shares them between his 3 friends. How many does each friend receive?

Number sentence:  $18 \div 3 = 6$

## Adding Money



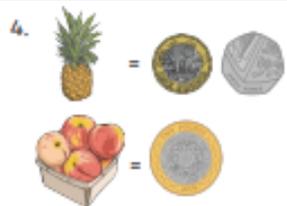
Total price = \_\_\_\_\_



Total price = \_\_\_\_\_



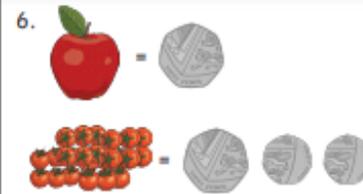
Total price = \_\_\_\_\_



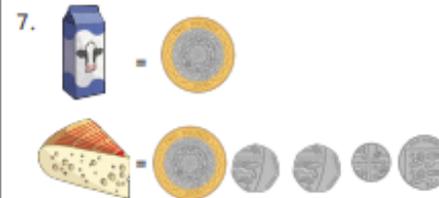
Total price = \_\_\_\_\_



Total price = \_\_\_\_\_



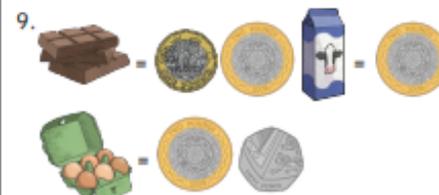
Total price = \_\_\_\_\_



Total price = \_\_\_\_\_



Total price = \_\_\_\_\_



Total price = \_\_\_\_\_



Total price = \_\_\_\_\_

Reading Comprehension ~ Non-Fiction. Can you label the features?

# Fossils

Fossils are shapes of dead animals and plants that lived millions of years ago made in rock. Usually when something dies it is eaten or decays and disappears. However, when an animal or plant dies and gets covered over, it can stay there and over time, become a fossil.

## Dinosaurs

Fossils are really important in understanding what has happened a long time ago. Without them we would not even know that dinosaurs existed! People who study fossils are called palaeontologists and these are the people who have found out what we now know about dinosaurs. However, this only started 200 years ago, so we've only known about dinosaurs for 200 years!



## Did you know?

- 'Sue' is the nickname given to the most complete and best preserved Tyrannosaurus Rex specimen ever found.
- The word 'fossil' comes from an old word 'fossilis', meaning 'dug up'.
- Fossils are only found in sedimentary rock.
- The fossils in the pictures are called ammonites. It is the town symbol for Whitby in North Yorkshire. Whitby is good for fossil hunting and long ago, people thought that the ammonites were snakes turned to stone by St. Hilda!

## How a Fossil is Made

When some plants or animals die, their body sinks into mud or is buried by sand. This often happens at the bottom of the sea and stops it from rotting or being eaten by other animals. Whilst it is underground, water and minerals seep into the bones and where the bones and body used to be, to make a hard shape. This is squashed under more layers of sand, mud and eventually rock over many, many millions of years.

## Reading Comprehension - Write the answers in your book.

1. What does a palaeontologist study?

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2. What is the nickname of the best preserved Tyrannosaurus Rex skeleton?

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3. What sort of rock are fossils found in?

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4. Which town has an ammonite fossil as their symbol?

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5. Why have we only got fossils to find out about dinosaurs?

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6. What does the Latin word 'fossilis' mean?

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7. How come the fossilised animals or plants haven't been eaten by other animals?

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8. Why did the author use an exclamation mark at the end of the Fossil Facts section?

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9. Why aren't there any fossils of cats that lived twenty years ago?

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10. Do you think the ammonites in the pictures look like snakes? Why?

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