|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Area of Learning | Arithmetic <br> LC: Can you multiply decimals accurately? | LC: Can you solve real life problems using money? | LC: Can you solve word problems involving money? | LC: Can you calculate missing val | using algebra? |
| Activity | Starter: Complete the 10 mental maths questions for Monday (provided below) <br> Main Activity <br> Chn should recap previous work on using column method to solve multiplications: <br> Try giving yourself a few examples to complete with a partner, starting with multiplying by a single digit $(458 \times 3)$ before trying to multiply by 2 digits $(658 \times 12)$. | Starter: Complete the 10 mental maths questions for Tuesday (provided below) <br> Main Activity <br> Chn should quickly recap the multiplication of decimals covered yesterday. <br> Talk about the places that we find decimals in the real world, e.g. with prices and money. <br> Allow your child time to recap their understanding of money, e.g. recognition of the coins, how many pennies fit into a pound etc. <br> Independent Activity | Starter: Complete the 10 mental maths questions for Wednesday (provided below) <br> Main Activity <br> Recap previous work on money - choose 10 decimal calculations and race a parent to complete them in the fastest time! <br> Read through some of the word problems provided below and discuss the ways in which you would solve them will I need to multiply or divide? Will there be one step or two steps to find the answer? Complete a few | Starter: Complete the 10 mental maths questions for Thursday (provided below) <br> Main Activity <br> Chn to watch the videoa as an introduction to algebra https://www.youtube.com/ watch?v=z00IXIZKfoO <br> https://www.youtube.com/ watch?v=YVJAdfE-L68 <br> Chn to read through the help sheet provided below to reinforce what they have watched and learnt this half term. <br> Independent Activity | Starter: Complete the 10 mental maths questions for Friday (provided below) <br> Main Activity <br> Recap previous work on algebra <br> Independent Activity <br> To complete Thursday activities provided |



## Starter Activities

| Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: |
| 1. $1256 \times 9$ | 11. $3324 \times 7$ | 21. $5512 \times 5$ | 31. $7006 \times 8$ | 41. $8160 \times 6$ |
| 2. $12.98 \times 3$ | 12. $36.89 \times 4$ | 22. $25.09 \times 6$ | 32. $60.73 \times 5$ | 42. $507.88 \times 3$ |
| 3. $45+?=100$ | 13. $25+$ ? $=100$ | 23. $58+$ ? $=100$ | 33. $67+?=100$ | 43. $81+?=100$ |
| 4. $150=?-20$ | 14. $780=$ ? -600 | 24. $460=$ ? -370 | 34. $780=$ ? -640 | 44. $160=?-120$ |
| 5. Find $35 \%$ of 650 | 15. Find $35 \%$ of 700 | 25. Find $35 \%$ of 567 | 35. Find $35 \%$ of 348 | 45. Find $35 \%$ of 871 |
| 6. Name a 5 -sided shape | 16. Name a 6 -sided shape | 26. Name a 7-sided shape | 36. Name an 8 -sided shape | 46. Name 24 -sided shapes |
| 7. 3 days $=$ ? hours | 17. 4 days $=$ ? hours | 27. 5 days $=$ ? hours | 37. 6 days $=$ ? hours | 47. I week = ? hours |
| 8. $1.2 \mathrm{~m}=$ ? cm | 18. $1.8 \mathrm{~m}=$ ? cm | 28. $3.7 \mathrm{~m}=$ ? cm | 38. $58.9 \mathrm{~m}=$ ? cm | 48. $0.51 \mathrm{~m}=$ ? cm |
| 9. $0.56+0.36$ | 19. $0.67+0.11$ | 29. $0.23+0.44$ | 39. $0.77+0.05$ | 49. $0.07+0.90$ |
| 10. $7176 \div 12$ | 20. $8028 \div 12$ | 30. $4200 \div 12$ | 40. $3036 \div 12$ | 50. $50,184 \div 12$ |

If you cannot print off these questions, please don't worry - simply have a go at writing the calculations and answers in your book or on a piece of paper!

## Monday 20.04.20

No additional questions needed

## Tuesday 21.04.20

No additional questions needed

## Wednesday 22.04.20

1. John bought 3 brownies at a bake sale. If each brownie cost $£ 0.25$ and he paid with a twenty pound note, how much change does he get?
2. Jenny bought 4 cans of pop at the shop. If each can cost her $£ 1.60$ and she paid with a twenty pound note, how much change does she get back?
3. Harry bought 4 bunches of bananas at the greengrocers. Each bunch cost $£ 0.79$. How much change would he get if he paid with a twenty pound note?
4. Julia got given a gift card for her birthday with $£ 20$ of store credit. She bought a dress that cost $£ 16.67$ using the gift card. How much money does she have left on the gift card?
5. Paul bought a book from the book shop. If it cost $£ 6.23$, how much change would Paul get back if he paid with a twenty pound note?
6. Helen bought an ornament from a gift shop. It cost $£ 19.67$. How much change will Helen receive if she paid with a twenty pound note?
7. Annie bought 4 chocolate bars to give to her friends. Each one cost $£ 1,43$. How much change will she receive if she pays with a twenty pound note?


Amina is shopping
She says,


Write one-quarter on the scales as a decimal


He pays with a £10 note
How much change does John get?

The cheese costs $£ 1.35$
Amina pays with a $£ 2$ coin
How much change should Amina get?
John buys one toy car and one pack of stickers.


Amina posts three large letters.
The postage costs the same for each letter.
She pays with a£ 20 note.
Her change is $£ 14.96$
What is the cost of posting one letter?


## Thursday 23．04．20

In algebra，a value is replaced by a representative letter，e．g．n．This means that wherever the term＇$n$＇is seen，it represents the value not shown．In some questions，＇$n$＇is not known and the children must use their understanding of calculations to work this out．


## Complete the following table：

| Words | Picture | Algebra |
| :---: | :---: | :---: |
| Two times n ，add 5 | $\square \square \cdots \cdots$ | $2 \mathrm{n}+5$ |
|  | 口 $\ldots$ |  |
|  | $\begin{aligned} & \text { ㅁㅁㅁ口ロ } \\ & \text { ㅁㅁㅁㅁ } \end{aligned}$ |  |
|  |  | $3 n+2$ |
|  |  | $7 \mathrm{n}+\mathrm{n}$ |
| Four lots of n added to 2$\qquad$ |  |  |
|  |  | $2 \mathrm{n}+3 \mathrm{n}$ |

Complete the following table:

| Words | Picture | Algebra |
| :---: | :---: | :---: |
| I think of a number | $\square$ | $y$ |
| Multiply by 2 |  |  |
| Add 4 |  |  |
| My answer is 20 |  |  |

Work out the value of each shape


For each equation, use the values shown to calculate your final answer:


Now have a go at creating your own picture sentences to solve:

| If $n=6$, then calculate: | I. $2 n+2$ | 5. $5 n-2$ |
| :--- | :--- | :--- |
|  | 2. $2 n+5$ | 6. $7 n-10$ |
|  | 3. $4 n+8$ | 7. $2 n+3 n$ |
|  | 4. $4 n-4$ | 8. $9 n-6 n$ |
| If $n=12$, then calculate: | 1. $2 n+2 n$ | 5. $5 n-2 n$ |
|  | 2. $7 n+5$ | 6. $7 n-n$ |
|  | 3. $4 n+8 n$ | 7. $2 n+(n+1)$ |
|  | 4. $6 n-4$ | 8. $9 n-(n-2)$ |

For each question, write an equation to match the scenario:
For my cake, I need four times as much flour as I do sugar
For each equation, work out the value of n :
I. $6 n+8=44$
I. $14 \mathrm{n}+8=36$
2. $2 n-7=17$
2. $12 n-7=17$
3. $4 n-8=72$
3. $7 \mathrm{n}+8=29$
4. $3 n+11=38$
4. $20 n+|I=7|$

Now have a go at creating your own equations to solve:

There are five times the number of boys in the class compared to the number of girls.

My journey to work this morning was seven times longer than usual.

## Algebra Investigation Extension

| n | Answer |  | n | Answer | Can you work it out without |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 4 |  | I | 2 |  |
| 2 | 7 | $\begin{aligned} & 2 n+3 \\ & 3 n+1 \end{aligned}$ | 2 | 6 |  |
| 3 | 10 | $5 n+5$ | 3 | 10 | time? |
| 4 | 13 |  | 4 | 14 |  |
| 5 | 16 |  | 5 | 18 |  |
| Can y algebr have value answe | calculate the formula that lied to each to get the provided? |  | Can y algebr have value answe | alculate the ormula that ed to each to get the rovided? |  |

Friday 24.04.20
See remaining questions from Thursday and extension activity

## Where can I complete further work?

Twinkl - Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code UKTWINKLHELPS for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets - Free Maths, Reading and Grammar home learning packs and interactive resources for all ages
White Rose Maths - Free Maths home learning resources for all ages. Watch the videos and try the questions.
Primary Stars - Free Maths home learning packs for Year I and 2.

BBC Bitesize Primary - Free learning resources available for KSI and KS2 across all subjects.

I See Maths - Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

Top Marks - Free educational resources and games for English and Maths.

ICT Games - Free educational resources and games for English and Maths.

