



**Year 5
Topic
Homework
Spring 1**

**Our Topic:
Wonderful
Worcester**

Useful Google searches:

Optional Topic Homework

How it works:

You will get four house points for handing in one of the Topic tasks by Monday 23rd February.

You can present your homework in the style of your choice.

- ◆ Make a Roundhead or Cavalier helmet
- ◆ Make an A-Z of Civil War. Think about presenting your work in the best way possible. What could you do on the border? You could add an illustration to each or some of the letters along with small pictures linked to your sentences.
- ◆ Design your own army uniform for Oliver Cromwell or King Charles I. It could be drawn, painted, collaged etc.
- ◆ Create a court room for the trial of King Charles I
- ◆ Re-enact the trial of King Charles I— iPad, scratch, live video, flip books, comic strip.
- ◆ Create a poster advertising for Roundheads or Cavaliers

Year 5 Spring 1 Spellings Group 2

How it works:

These are the spellings your child will see each week on Spelling Shed. Each Friday your child will see a new list of spellings to learn at home. A dictation will take place the following Wednesday to test how well your child has learned their spellings. Your child's spelling score will be sent home in the front of their CGP homework book.

| Week 1 base word has the suffix -fer | Week 2 silent first letter | Week 3 silent letters | Week 4 challenge words | Week 5 words with 'ie' after 'c' | Week 6 Where 'ei' makes an 'ee' sound |
|---|---|--|---|---|--|
| difference | knife | ascend | ancient | society | ceiling |
| inference | knight | autumn | amateur | efficient | conceive |
| preferred | knowledge | build | awkward | glacier | deceive |
| referring | wrestler | doubt | criticise | science | either |
| transference | writer | island | equipment | scientists | neither |
| imagine | knuckle | receipt | excellent | species | receive |
| important | heart | reign | foreign | natural | seize |
| busy | learn | business | pronunciation | length | mention |
| different | exercise | naughty | symbol | grammar | popular |
| calendar | minute | February | yacht | group | forward |

In the event of a school closure, here is my j2e.com log on:

To access the work while I am at home, instructions can be found on the school website under the Parents section under Home Learning.



Dear parent/carers

As part of our development of maths fluency and number recall, we have a Key Instant Recall Fact (KIRF) focus each half term for each year group. These are number facts the children need to recall fluently. In school, within the mental maths sessions, one objective will be practised for each half term in order for children to really embed and learn the facts quickly and deeply.

In order for the children to practise these at home as well, we are providing you with an information sheet, which explains the KIRF in more detail, with examples of what it looks like, games to play and websites to visit. The idea is that you can help them recall the facts little and often and work with us to ensure our children are as fluent with recalling number facts as they can be.

Many thanks,
 Mrs Pickering -Ernst
 Assistant Headteacher and Maths Lead

KIRF's Key Stage Two Overview

| Year | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|-------|--|---|--|---|--|---|
| Three | Multiplication and division facts for 3 times table | Counting in 4's and 8's | Multiplication and division facts for 4 times table | Multiplication and division facts for 8 times table | Use known multiplication facts to find facts scaled by 10 <i>For example:</i> $5 \times 3 = 15$ $50 \times 3 = 150$ | Number bonds to 100 |
| Four | Multiplication and division facts for 6 times table | Multiplication and division facts for 9 times table | Multiplication and division facts for 7 times table | Multiplication and division facts for 12 times tables | Multiplication and division facts for 11 times tables <i>For example:</i> $5 \times 3 = 15$ $500 \times 3 = 1500$ | Use known multiplication facts to find facts scaled by 100 <i>For example:</i> $5 \times 3 = 15$ $500 \times 3 = 1500$ |
| Five | Multiplication and division facts for all numbers up to 12×12 | Use known multiplication facts to find facts scaled by tenths or hundredths <i>For example:</i> $5 \times 3 = 15$ $0.5 \times 3 = 1.5$ | Factors pairs of whole numbers (recognising prime numbers to 20) | Decimal pairs to 1 <i>For example:</i> $0.7 + 0.3 = 1$ $0.12 + 0.82 = 1$ | Square numbers and the number squared | Doubles and halves of numbers to 100 |
| Six | Multiplication and division facts for all numbers up to 12×12 | Multiply and divide numbers by 10, 100 and 1000 up to 3 decimal places | Use known multiplication facts to derive facts scaled by tenths and hundredths <i>For example:</i> $5 \times 3 = 15$ $0.5 \times 30 = 15$ | Common multiples and factors pairs of whole numbers | Recall prime numbers to 20 and know prime numbers to 100 | Doubles and halves of numbers to 1000 |

Key Instant Recall Facts (KIRF's)

Year 5 Spring 1

Key Instant Recall Facts are number facts that we want our children to be fluent with and able to recall instantly.

By the end of this half term children in year 5 should be able to

recall factor pairs of whole numbers

What this looks like:

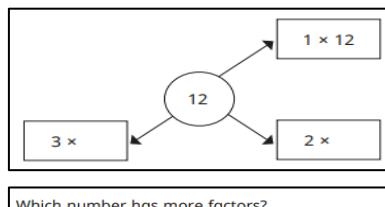
Here is part of a hundred square.
Shade all the prime numbers.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 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 |

The factors of 24 are...

The factors of 36 are...

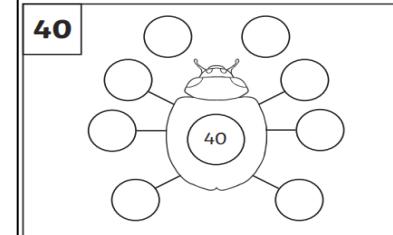
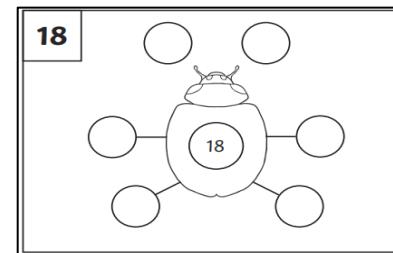
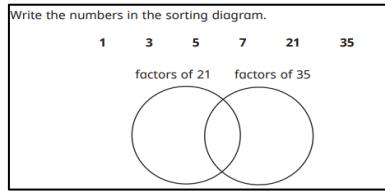
The common factors of 24 and 36 are...



Which number has more factors?

64

48



Practical ideas

Roll two dice to generate a number and write down the factor pairs of that number

Investigate which number below 50 has the most factors

Vocabulary

factor

common factors

highest common factor

lowest common factor

Divide

prime number

Online games:

[Multiples and Factors \(topmarks.co.uk\)](http://www.topmarks.co.uk/multiples-and-factors) (factors)

[Factor Trees \(transum.org\)](http://www.transum.org/Software/Suite/Year5/Year5.htm)

[Arithmetic 1.0.36 \(colorado.edu\)](http://www.colorado.edu/education/curriculum/arithmetic/arithmetic1.0.36.html)

The secret to success is practising **little and often**. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a **fact of the day**. If you would like more ideas, please speak to your child's teacher.