

Medium Term Maths – Spring 2 – Year 5

Counting

Weekly times table counting (including derived division facts)
Counting in tenths and hundredths

Hook for learning:

Links to geography and science learning challenges

Non-negotiables:

Identify, name and write equivalent fractions of a given fraction

Fractions

Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number
Add and subtract fractions with the same denominator and denominators that are multiples of the same number.
Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Learning Challenge links

Interpret information in graphs to analyse population growth

Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number

Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

Read and write decimal numbers as fractions [for example, $0.71 = 71/100$]

Exceeding Expectations

Give children increasingly difficult missing number problems that also involve other areas of maths, such as equivalent fractions, for example:
 $\frac{3}{8} \times ? = 3$

Challenge children to solve problems involving equivalent fractions, decimals and percentages.
Challenge children to find half-way points between decimals such as 0.21 and 0.22

Objectives to recap

Multiplication and division facts for all times tables up to 12×12
Recognise and use factors, multiples and prime numbers
Round any number to the nearest 10, 100, 1000, 10,000 and 100,000

Decimals and percentages

Read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

Meeting Expectations

Encourage children to use bar models and link multiplication to repeated addition to help them understand why the denominator is not multiplied by the whole number.

Give children practice with representing fractions, decimals and percentages by shading a hundredths grid.

Maths –Weekly – Year 5

Week 1: Adding and subtracting fractions

Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number
Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

Daily tough ten arithmetic, flashback 4 and Rising Stars Arithmetic
Mental starter- Rounding to the nearest 10/100

Week 2: Subtract and multiply fractions (Assessment Week)

Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number
Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

Daily tough ten arithmetic, flashback 4 and Rising Stars Arithmetic
Mental starter- Rounding to the nearest 100/1000

Week 3: Robinwood

2 days- continue with arithmetic practice

Daily tough ten arithmetic, flashback 4 and Rising Stars Arithmetic
Mental starter- Rounding to the nearest 1000/10,000

Week 4: Calculate with fractions

Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Daily tough ten arithmetic, flashback 4 and Rising Stars Arithmetic
Mental starter- Rounding to the nearest 10,000/100,000

Week 5: Decimals and percentages

Read and write decimal numbers as fractions [for example, $0.71 = 71/100$]
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

Daily tough ten arithmetic, flashback 4 and Rising Stars Arithmetic
Mental starter- Factors