

Medium Term Maths – Summer 2 – Year 5

Counting

Weekly times table counting
Counting in fractions and decimals
Arithmetic practice on iPads: SumDog, Times Table Rockstars, Hit the Button

Hook for learning:

Links to geography and science learning challenges.

Geometry

Use the properties of rectangles to deduce related facts and find missing lengths and angles.

• Identify:

- angles at a point and one whole turn (total 360°)
- angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°)
- other multiples of 90°

Distinguish between regular and irregular polygons based on reasoning about equal sides and angles

Identify 3D shapes, including cubes and other cuboids, from 2D representations.

Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

Non-negotiables:

Distinguish between regular and irregular polygons based on reasoning about equal sides and angles

Round decimals with two decimal places to the nearest whole number and to one decimal place.

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.

Measures

Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).

Decimals and percentages

Solve problems involving number up to three decimal places.

Read, write, order and compare numbers with up to three decimal places

Round decimals with two decimal places to the nearest whole number and to one decimal place.

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.

Meeting Expectations

Use the properties of rectangles to deduce related facts and find missing lengths and angles.

Distinguish between regular and irregular polygons based on reasoning about equal sides and angles

Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

Solve problems involving number up to three decimal places.

Round decimals with two decimal places to the nearest whole number and to one decimal place.

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal.

Exceeding Expectation

White Rose reasoning questions linked to each objective.

Maths –Weekly – Year 5

Week 1: Decimals

White Rose Maths Home Learning Week 2, Lessons 1, 2, 3 (Spring term)

Rounding decimals, ordering and comparing decimals, understanding percentages.

Arithmetic practice on apps: SumDog, Hit the Button, Times Table Rockstars

Arithmetic lesson- Adding fractions with different denominators

Week 2: Decimals

White Rose Maths Home Learning Week 2, Lessons 4 and 5 (Spring 2) Week 1, Lesson 1(Summer term)

Percentages as fractions and decimals, Equivalent FDP, Adding decimals within 1.

Arithmetic practice on apps: SumDog, Hit the Button, Times Table Rockstars

Arithmetic lesson- Subtracting fractions with different denominators

Week 3: Decimals

White Rose Maths Home Learning Week 1, Lessons 2,3 and 4 (Summer term)

Subtracting decimals within 1, Complements to 1, Adding decimals by crossing the whole

Arithmetic practice on apps: SumDog, Hit the Button, Times Table Rockstars

Arithmetic lesson- Dividing 4-digit numbers using short division (with remainders)

Week 4: Decimals

White Rose Maths Home Learning Week 2, Lessons 1,2 and 3 (Summer term)

Adding decimals with the same number of decimal places, Subtracting decimals with the same number of decimal places, Adding numbers with a different number of decimal places

Arithmetic practice on apps: SumDog, Hit the Button, Times Table Rockstars

Arithmetic lesson- Multiply numbers with 4-digits by a 2-digit number

Week 5: Geometry

White Rose Maths Home Learning Week 10 (Summer term)

Children have already studied angles so should complete the objectives for parallel/perpendicular lines or coordinates.

Arithmetic practice on apps: SumDog, Hit the Button, Times Table Rockstars

Arithmetic lesson- Multiplying fractions by whole numbers

Week 6: Geometry and Measures

White Rose Maths Home Learning Week 11 (Summer term)

Children have already studied angles so should complete the objectives for parallel/perpendicular lines or coordinates.

They can recap on converting measures.

Arithmetic practice on apps: SumDog, Hit the Button, Times Table Rockstars

Arithmetic lesson- Squared and cubed numbers