

# Y4 Maths Activity Grid

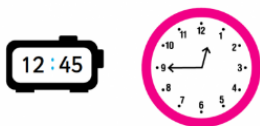
## Year 4 maths skills checklist:

- ✓ Count backwards through zero to include negative numbers
- ✓ Count in multiples of 6, 7, 9, 25 and 1000.
- ✓ Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction, where appropriate.
- ✓ Estimate and use inverse operations to check answers to a calculation.
- ✓ Recall multiplication and division facts for tables up to 12x12.
- ✓ Recognise and use factor pairs and commutativity in mental calculations.
- ✓ Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout.
- ✓ Read, write and convert time between analogue and digital 12-and 24-hour clocks.
- ✓ Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m.
- ✓ Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
- ✓ Interpret and present discrete and continuous data using appropriate graphical methods, including: bar charts; time graphs
- ✓ Read Roman numerals to 100 and understand that over time, the numeral system changes to include the concept of zero and place value.
- ✓ Find 1000 more or less than a given number.
- ✓ Divide 2-digit and 3-digit numbers by a 1-digit number using formal written layout with no remainder.
- ✓ Use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1; multiplying three numbers together.
- ✓ Find the effect of multiplying a number with up to 2 decimal places by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.
- ✓ Recognise and show, using diagrams, families of common equivalent fractions.
- ✓ Add and subtract fractions with the same denominator.
- ✓ Find the area of rectilinear shapes by counting squares.
- ✓ Describe positions on a 2D grid as coordinates in the first quadrant
- ✓ Identify lines of symmetry in 2D shapes presented in different orientations.
- ✓ Complete a simple symmetric figure with respect to a specific line of symmetry.
- ✓ Compare and order numbers beyond 1000
- ✓ Round any number to the nearest 10, 100 or 1000
- ✓ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
- ✓ Find the effect of dividing a 1-digit or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.
- ✓ Count up and down in hundredths; recognise that hundredths arise from dividing an object into one 100 equal parts and in dividing numbers or quantities by 100.
- ✓ Recognise and write decimals equivalents of any number of tenths or hundredths
- ✓ Recognise and write decimal equivalents to  $\frac{1}{4}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$ .
- ✓ Round decimals with one decimal place to the nearest whole number.
- ✓ Compare numbers with the same number of decimal places up to two decimal places.
- ✓ Convert between different units of measure (e.g. km to m; hr to min).
- ✓ Describe positions on a 2D grid as coordinates in the first quadrant
- ✓ Describe movements between positions as translations of a given unit to the left/right and up/down
- ✓ Plot specified points and draw sides to complete given polygon
- ✓ Identify acute and obtuse angles and compare and order angles up to two right angles by size.

**Choose an activity from below and complete it on squared paper if possible. Remember to add the date.**

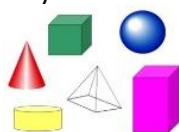
### Timeline

Can you keep a timeline of what you do in a day and write the correct time next to what you did? Write the time in both digital and analogue time to the nearest minute.



### Shape Hunt

Go on a shape hunt around your house. Draw and label 2D and 3D shapes you can see around the house. You must include how many vertices, edges, corners, faces and lines of symmetry.



### Number Talk

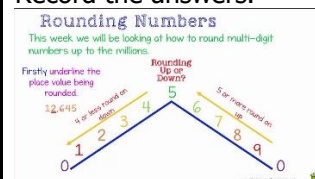
Choose numbers from 0 - 5000 to partition or decompose in different ways using the cherry method.



E.g.  
[https://www.youtube.com/watch?v=x9-5dXP\\_204](https://www.youtube.com/watch?v=x9-5dXP_204)

### Rounding

Choose a number between 0 and 5000. Can you round it to the nearest 10, 100 and 1000? Repeat with another 4 numbers. Record the answers.



**Roman Numerals**

Write the date each day in Roman Numerals.

I = 1    C = 100  
V = 5    D = 500  
X = 10   M = 1000  
L = 50

**Challenge:** Choose a two-digit number. Write it in Roman numerals.

**Division**

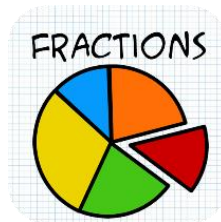
Using numbers up to 500, divide them by a one-digit number using the bus stop method. Remember to watch out for any remainders.

$$65 \div 5$$

$$5 \overline{)65}$$

**Fractions of Numbers**

Find  $\frac{1}{2}$ ,  $\frac{1}{4}$ , and a  $\frac{3}{4}$  of:  
16, 20, 24, 28, 48,  
60, 84, 100  
Record the answers.

**Addition/Subtraction**

Create your own addition and subtraction number sentences using numbers between 100 and 5000. Use the column method to work these out. Use the inverse to check your answers.

$$\begin{array}{r} 38 \\ + 93 \\ \hline 131 \\ \hline \end{array}$$

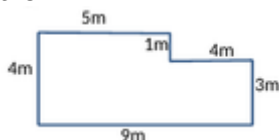
**Multiplication**

Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout.

$$\begin{array}{r} 523 \\ \times 2 \\ \hline \end{array}$$

**Shape**

Draw some rectilinear shapes and find the perimeter and area of them.

**Numbers in Words**

Can you write some numbers between 0-3000 in words and spell them correctly?



**Challenge:** Choose 5 numbers you have written in words and order them, largest first.

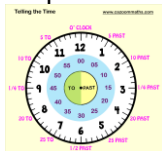
**More or Less**

Choose a number between 1000 and 5000 – show 10 more or less, 100 more or less and 1000 more or less.

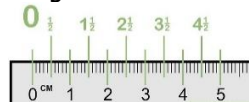
**Challenge:** Write the numbers in order, largest first.

**Telling the Time**

Using a clock online or in the house, practise telling the time to the nearest minute from both analogue and digital clocks. Record both matching times (e.g. 3.27pm and 15.27).

**Measure**

Practise using a ruler to measure small items around the house to the nearest millimetre. E.g. a pen, coin, rubber, toy etc. Record your results. **Challenge:** Put these measurements in order starting with the shortest.

**Number**

Choose any even number up to 100 and then halve the number five times. Repeat 10 times.

E.g. 64 -> 32 -> 16 -> 8 -> 4 -> 2

**Times Tables**

Access TTRS, login and practice your times tables. Please try and access this for 20 minutes daily and make sure you complete a studio test at least once a week.



More maths learning activities can be accessed through the following websites:

[http://www.bbc.co.uk/schools/websites/4\\_11/site/numeracy.shtml](http://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml)

<https://www.topmarks.co.uk/maths-games/7-11-years>

<https://mathsframe.co.uk/en/resources/category/22/most-popular>

<https://www.oxfordowl.co.uk/for-home/kids-activities/fun-maths-games-and-activities/#maths-7-9>