

Year 6

Maths Targets



This booklet provides information for parents and carers on the end of year expectations for children in our school.

All the objectives will be worked on throughout the year and will be the focus of direct teaching. Any extra support you can provide in helping your children to achieve these is greatly valued.

If you have any queries regarding the content of this booklet or want support in knowing how best to help your child please talk to your child's teacher.

My Child Can:

- Use negative numbers in context and calculate intervals across zero.
- Compare and order numbers up to 10,000,000.
- Identify common factors, common multiples and prime numbers.
- Round any whole number to a required degree of accuracy.
- Identify the value of each digit to 3 decimal places.
- Use knowledge of order of operations to carry out calculations involving four operations.
- Use estimations to check answers to calculations.
- Multiply:
 - 4-digit by 2-digit
- Divide:
 - 4-digit by 2-digit
- Add and subtract fractions with different denominators and mixed numbers.
- Multiply simple pairs of proper fractions, writing the answer in the simplest form.
- Divide proper fractions by whole numbers.
- Calculate % of whole number.
- Read, write and convert between standard units of measure.
- Find unknown angles.
- Draw, translate and reflect shapes.

Year 6

Home Activities



Recipes

- Find a recipe for 4 people and rewrite it for 8 people, e.g.
- 4 people 8 people
- 125g flour 250g flour
- 50g butter 100g butter
- 75g sugar 150g sugar
- 30ml treacle 60ml treacle
- 1 teaspoon ginger 2 teaspoons ginger
- Can you rewrite it for 3 people? Or 5 people?

Three in a row

- For this game you need a calculator.
- Draw a line like this:
- Take it in turns to choose a fraction, say $\frac{2}{5}$. Use the calculator to convert it to a decimal (i.e. $\frac{2}{5} = 0.4$) and mark your initials at this point on the line.
- The aim of the game is to get 3 crosses in a row without any of the other player's marks in between.
- Some fractions are harder to place than others, e.g. ninths.



Fours

- Use exactly four 4s each time.
- You can add, subtract, multiply or divide them.
- Can you make each number from 1 to 100?
- Here are some ways of making the first two numbers.

$$1 = (4 + 4) / (4 + 4)$$
$$2 = 4 / 4 + 4 / 4$$

Flowers

- Take turns to think of a flower.
- Use an alphabet code, A = 1, B = 2, C = 3... up to Z = 26.
- Find the numbers for the first and last letters of your flower,
- e.g. for a ROSE, R = 18, and E = 5.
- Multiply the two numbers together, e.g. $18 \times 5 = 90$.
- The person with the biggest answer scores a point.
- The winner is the first to get 5 points.
- When you play again you could think of animals, or countries.

