

Expectations for pupils in Year 3

Can you tell the time?

Whenever possible, ask your child to tell you the time to the nearest minute. Use a clock with hands as well as a digital watch or clock. Also ask:

- ◆ What time will it be one hour from now?
- ◆ What time was it one hour ago?

Time your child doing various tasks, e.g.

- ◆ getting ready for school;
- ◆ tidying a bedroom;
- ◆ saying the 3 times, 4 times or 8 times table.

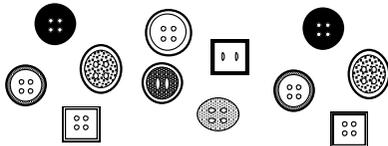
Ask your child to predict in advance how long they think an activity will take. Can they beat their time when they repeat it?

Fractions

Use 12 buttons, or paper clips or dried beans.

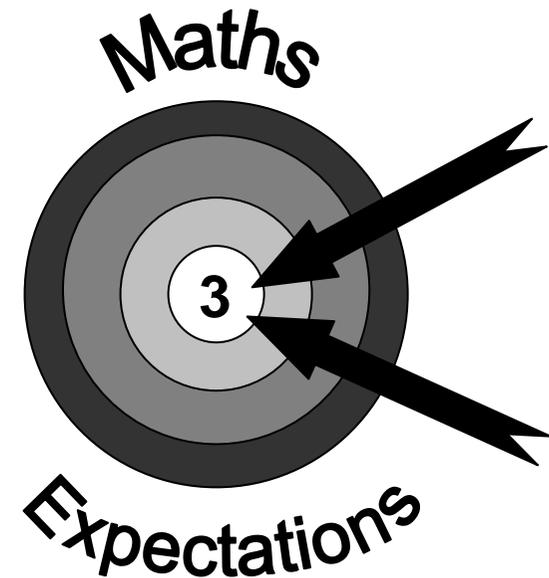
- ◆ Ask your child to find **half** of the 12 things.
- ◆ Now find one **quarter** of the same group.
- ◆ Find one **third** of the whole group.

Repeat with other numbers.



Secret sums

- ◆ Ask your child to say a number, e.g. 43.
- ◆ Secretly do something to it (e.g. add 30). Say the answer, e.g. 73.
- ◆ The child then says another number to you, e.g. 61.
- ◆ Do the same to that number and say the answer.
- ◆ The child has to guess what you are doing to the number each time!
- ◆ Then they can have a turn at secretly adding or subtracting something to each number that you say to them.



A booklet for parents

Help your child with mathematics

Expectations – Year 3

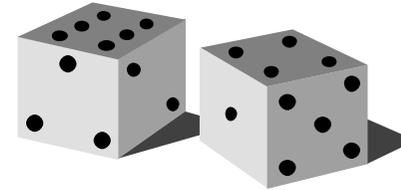
By the end of Year 3, most children should be able to:

- ✓ Read and write numbers up to 1000 and put them in order, knowing what each digit is worth.
- ✓ Count on or back in tens or hundreds from any number under 1000, e.g. 462, 472, 482... or 462, 562, 662...
- ✓ Know by heart doubles up to 50.
- ✓ Know by heart halves of even numbers up to 100.
- ✓ Know by heart the multiplication facts for the 3, 4 and 8 times tables.
- ✓ Know by heart the division facts for the 3, 4 and 8 times tables.
- ✓ Know by heart basic metric conversions: 1m = 100cm, 1cm = 10mm, 1kg = 1000g, 1l = 1000ml.
- ✓ Find simple fractions, such as $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$ of shapes and numbers.
- ✓ Tell the time to the nearest minute.
- ✓ Know the number of seconds in a minute and the number of days in a month, year and leap year.
- ✓ Use pounds and pence notation within money, e.g. know that £2.04 is £2 and 4p.
- ✓ Add and subtract amounts of money to give change.
- ✓ Recognise right angles, perpendicular and parallel lines in shapes.

Fun activities to do at home

Number games

Roll two dice. Make two-digit numbers, e.g. if you roll a 6 and 4, this could be 64 or 46. If you haven't got two dice, roll one dice twice. Ask your child to do one or more of the activities below.



- ◆ Count on or back from each number in tens.
- ◆ Add 19 to each number in your head. (A quick way is to add 20 then take away 1.)
- ◆ Subtract 9 from each number. (A quick way is to take away 10 then add back one.)
- ◆ Double each number.

Board games

For these games you need to sketch a board like this. Notice how the numbers are arranged.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 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 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

- ◆ Start on 1. Toss a coin. If it lands on heads, move 1 place along. If it lands on tails, add 10, saying the total correctly before moving. First person to reach the bottom row wins.
- ◆ Start anywhere on the board. Roll a dice. Even numbers move you forward and odd numbers move you backwards. If you land on a multiple of five, you can move either 10 forwards or 10 backwards. The first person to reach either the top or bottom of the board wins.