



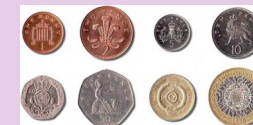
## Maths in Year 3!

### Counting and Times Tables

Your child should be able to count in (know their times table facts for) 1s, 2s, 3s, 4s, 5s, 8s, 10s, 50s and 100s.

### Addition and Subtraction

In year 3, your child should be able to add or subtract 3 digit numbers, either mentally or using a formal method. They can apply this to problem-solving and money.



$$\begin{array}{r}
 \text{HTU} \\
 267 \\
 + 85 \\
 \hline
 12 \text{ (7 + 5) Ones (Units)} \\
 140 \text{ (60 + 80) Tens} \\
 200 \\
 \hline
 352 \\
 \hline
 \text{Hundreds}
 \end{array}$$

563 - 241, no adjustment or decomposition needed.

| Expanded method | leading to |
|-----------------|------------|
| 500 + 60 + 3    | 563        |
| - 200 + 40 + 1  | - 241      |
| 300 + 20 + 2    | 322        |

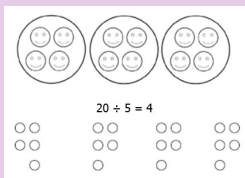
### Multiplication and Division

Children in year 3 should be able to use their multiplication and division facts for the multiplication tables 2, 3, 4, 5, 8 and 10.

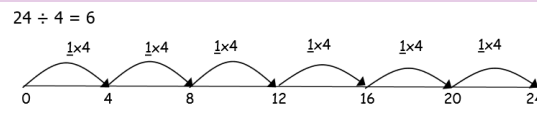
1st

$$\begin{array}{l}
 13 \times 4 = \\
 10 \times 4 = 40 \\
 3 \times 4 = 12 \\
 40 + 12 = 52
 \end{array}$$

1st



2nd



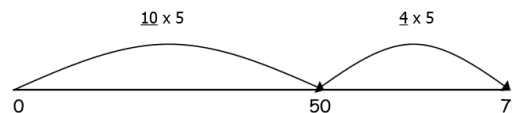
2nd: 23x8=

|   |     |    |            |
|---|-----|----|------------|
| x | 20  | 3  | 160        |
| 8 | 160 | 24 | + 24       |
|   |     |    | <u>184</u> |

3rd

70 ÷ 5 = 14

Moving onto chunking on a numberline. Relate to the inverse of multiplication. Ask, how many 5s in 70? 10 lots of 5, 4 lots of 5. How many lots of 5 altogether? 14.



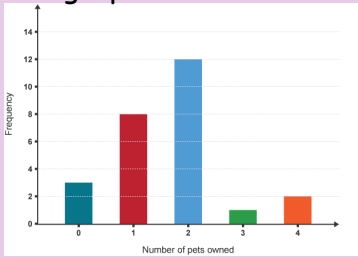
Children partition the 2 digit number, first multiply the tens and then the units, i.e. 20x8 then 3x8 and finally add them together.

Find 10 and 100 more or less than a given number.



| Type of Pet | Tally | Frequency |
|-------------|-------|-----------|
| Dog         |       | 12        |
| Cat         |       | 7         |
| Goldfish    |       | 6         |
| Budgie      |       | 3         |
| Hamster     |       | 2         |

Draw, read and interpret bar graphs and tables.

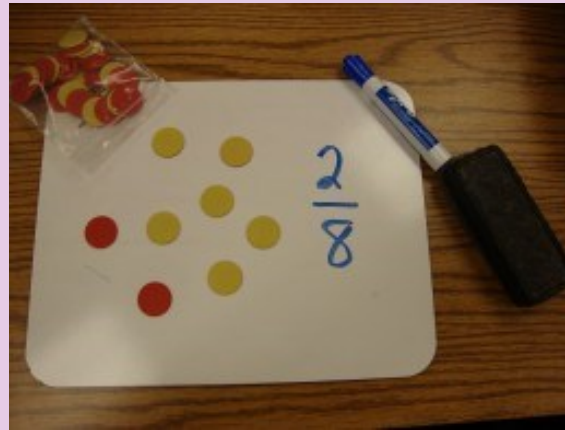


## Tell the time



## Fractions

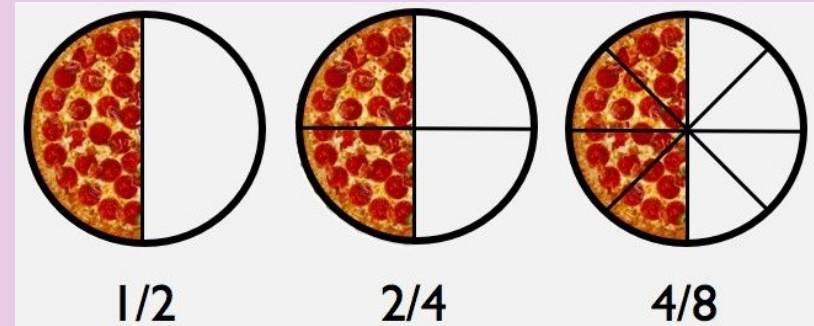
Find fractions of an amount



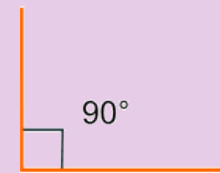
Count in tenths. Realise that a number or object can be split into ten equal parts by dividing by 10.



Recognise equivalent fractions

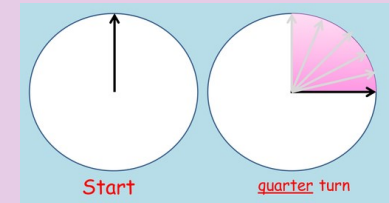


Measure lengths (m, cm and mm), mass (kg/g) and volume (l/ml).



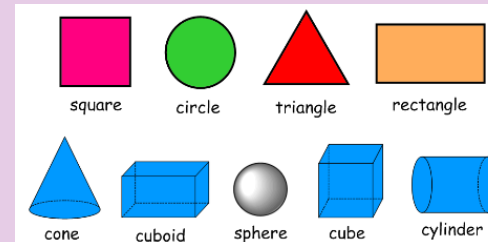
Recognise right-angles and identify if an angle is greater or smaller than a right angle.

Understand angles as a turn. Recognise that 2 right angles make a half-turn.



**Marvellous Maths!**  $= + \times$

Why not use some of these activities as a starting point for Marvellous Maths Home Learning?



Recognise, draw and describe 2D and 3D shapes.