Curriculum Based Christmas Maths Activities
Year 3

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| Identify, represent and estimate numbers using different representations Explain to the children that they need to deliver the correct parcels to the correct homes. The house numbers are easy to read but the elves clearly wanted to show off their maths knowledge and they have labelled the parcels with different representations of numbers. Have some parcels labelled with Dienes to represent the house number that it needs to be delivered to, have some labelled with Numicon, place value counters, abacus representations, tens frames, bead string images, etc. In addition to this have some parcels that are addressed with partitioned numbers for example 'house number $100+20+3$ also have some parcels addressed to some homes that have been partitioned in a non-standard way 'house number 1 ten and 32 ones/house number 130 tens and 5 ones' | Recognise, find, name and write fractions $1 / 3, \frac{1}{4}, 2 / 4$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity Tell the children that they need to help the elves put together bags of sweets that can be used a stocking fillers. Each sweet bag can have 24 sweets in before they become too big to fit in each stocking. The sweet shop at the North Pole measures sweets out in a very exact way - once a jar is opened either half or one quarter of the amounts of sweets in the jar need to be taken out. For example jellybeans are kept in jars of 12 so either 6 (one half of the jar) or 3 (one quarter of the jar). Can the children fill a bag of sweets up using this method? Can they fill another bag of sweets up a different way? |
| Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction Give each of you children a budget of $£ 100$ and a gift guide (Argos have a great gift guide - both paper copies and online https://www.argos.co.uk/events/christmasgifts) <br> Tell your children that they can buy gifts for whoever they would like at home, in their extended family or in school. They cannot go over their budget and they need to spend as close to the $£ 100$ as possible. | Compare and sort common 2-D and 3-D shapes and everyday objects Supply your children with a range of images of wrapped Christmas gifts. Allow them the opportunity to sort these in a range of ways into labelled venn and carroll diagrams. When the children are confident sorting the girts to the criteria that you have given them allow them to create their own sorting criteria. Give them the opportunity to work out what criteria their peers have used to sort their gifts. |

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## 1 hundred and 56 ones

High Street


High Street


High Street

40 tens and 3 ones
High Street

Can you create some coded gift tags for these addresses?
458 Main street
982 Ash Road
213 Mere Road
96 Square Street
532 High Street
203 Fleet Road
909 Grey Close

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How could you fill a bag of sweets with 24 sweets? You can only take half or a quarter of a jar of sweets at a time. Is there more than one way to do this?

Does this method work?
One quarter of a jar of bon bons
Half a jar of sour sweets
Half a jar of popping sweets


