

Appendix 3 - Mathematical Opportunities in Role Play

Concept / Skill	Possible Mathematical activities in the Flower Shop	Possible Mathematical activities in the Health Centre	Possible Mathematical activities on the Pirate's Voyage
Reading / Writing numerals	<ul style="list-style-type: none"> Using cash till / telephone / calendar / credit cards Making price tags Filling in order forms Writing addresses and telephone numbers Writing cheques Writing opening and closing times Labelling displays 	<ul style="list-style-type: none"> Writing / reading appointment cards Using calendar / telephone Writing in / reading appointment book Writing prescriptions Writing addresses Using waiting number tags 	<ul style="list-style-type: none"> Reading numerals on doubloons Recording times / dates / items of treasure found in the log book Using / making maps
Counting	<ul style="list-style-type: none"> Flowers in 1s, 2s, 5s, 10s Message cards in packs of 10 Rolls of ribbons Number of plant pots 	<ul style="list-style-type: none"> Number of patients Appointments cards in 1s, 2s, 5s, 10s Prescription bundles 	<ul style="list-style-type: none"> Counting biscuits / rations Treasure Doubloons in 1s and bags of 10
Ordering	<ul style="list-style-type: none"> Items on the shelf in price order Plant pots by size Flowers by stem length 	<ul style="list-style-type: none"> Patients in the queue Position in queue number tags 	<ul style="list-style-type: none"> Telescopes by length Bags of treasure by weight
Sorting	<ul style="list-style-type: none"> Ribbon by colour or length Flowers by colour Plant pots by size Flowers by stem length Coins in cash till 	<ul style="list-style-type: none"> Bandages, plasters, medicine bottles 	<ul style="list-style-type: none"> Jewels, treasure, doubloons
Mathematical operations	<ul style="list-style-type: none"> Calculating prices Giving change Calculating total number of flowers / message cards by counting in 2s, 5s, 10s 	<ul style="list-style-type: none"> Calculating total number of appointment cards by counting in 10s 	<ul style="list-style-type: none"> Sharing jewels / doubloons among the crew Finding total amount of doubloons
Pattern	<ul style="list-style-type: none"> Flowers by colour for window display Pots and flowers for display 		<ul style="list-style-type: none"> hanging small coloured flags (bunting) in a pattern around the pirate ship
Weighing	<ul style="list-style-type: none"> Amount of flower bulbs 		<ul style="list-style-type: none"> Estimating / comparing weight of treasure

Measuring length	<ul style="list-style-type: none"> • Estimating / measuring length of ribbon • Estimating / measuring length of flower stems 	<ul style="list-style-type: none"> • Estimating length of bandages 	<ul style="list-style-type: none"> • Estimating / measuring lengths of telescopes / bunting
Time	<ul style="list-style-type: none"> • Using clock • Making / displaying opening and closing time signs • Recording times of deliveries 	<ul style="list-style-type: none"> • Using clock • Giving appointment times • Displaying opening and closing times • Measuring time for each patient 	<ul style="list-style-type: none"> • Recording dates in a log book
Shape and space	<ul style="list-style-type: none"> • Wrapping flowers in differently shaped paper / cellophane 	<ul style="list-style-type: none"> • Applying bandages 	<ul style="list-style-type: none"> • Making small flags • Drawing picture maps •
Capacity	<ul style="list-style-type: none"> • Filling paper bags with flower bulbs • Filling pots with compost 	<ul style="list-style-type: none"> • Filling boxes with rolls of bandages 	<ul style="list-style-type: none"> • Filling bags and boxes with treasure
Using money	<ul style="list-style-type: none"> • Making amounts • Giving change 	<ul style="list-style-type: none"> • Paying for medicine at the chemist 	<ul style="list-style-type: none"> • Using doubloons as currency