



Halesowen C of E Primary School

Home Learning

DATE: 18.5.20-22.5.20

YEAR GROUPS: 1 and 2

Maths Problem Solving Focus Week


THEME/FOCUS: Jack and the Beanstalk

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<p>The giant has come to visit and has the same size feet as your parents.</p> <p>Draw around either your mom or dad's foot and cut out the footprint (if you aren't able to cut it out you could ask if you can borrow your adult's shoe). Can you find objects (things) in your house that are:</p> <ul style="list-style-type: none"> • Longer than the footprint • Shorter than the footprint • The same length as the footprint • Longer, shorter or same length as two footprints <p>You could record this information in a table or using pictures. Share this with your adult, see if they agree.</p> <p>Convince me</p>	<p>Jack went to the market and on his way he saw 6 cows. He counts in 2's to find out how many ears he can see? Can you help Jack? You can draw the ears in arrays to help you find the answer.</p> <p>If Jack had 4 cows and he exchanged each one for 5 beans, how many beans would he get? You could use dried beans or anything you have home to find the answer.</p> <p>Jack has been saving his golden coins for 6 days. Each day he puts the same amount in his money box. On day 6 he gets it out and counts 30 coins. He thinks that he has been putting 10 coins each day. Is he right? If not why? How many do think he has been putting in each day? You could draw or use</p>	<p>The hen lays 5 eggs each day. Jack says in a week the hen lays 50 eggs altogether. Is he right?</p> <p>Think about the information you need to work out to solve this problem.</p> <p>How many days are there in a week?</p> <p>Which times table will help you to find the answer?</p> <p>You could use objects at home, group them to find the answer. Or draw a picture to work out the answer like the example below</p> <div data-bbox="958 1082 1341 1145" data-label="Image"> </div> <p>When you think you have found the answer, ask someone at home what they think. Discuss your ideas and prove why you think your answer is correct. Try to use</p>	<p>Please find attached a sheet of word problems.</p> <p>See if you can find the answer to each one and check with a family member.</p>	<p>Can you recognise the value of the money below?</p> <div data-bbox="1765 547 2069 1145" data-label="Image"> </div>



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<p>If I measure a big object such as a table with your adult's footprint and with your own footprint, then it will need more of your footprints than your adult's.</p> <p>How do you know? Can you explain it to your adults to convince them?</p> <p>How could you test this? Tell your adults why your idea to test it would work.</p> <p>What is the difference between the number of footprints needed?</p> <p>How many more smaller footprints would you need?</p> <hr/> <p>Collect some leaves and sticks when you go for a walk, if you are able to.</p> <ul style="list-style-type: none"> • Can you make a picture of a beanstalk out of them? • Order the sticks from longest to shortest. You could record this by drawing around the sticks or leaves. 	<p>item to help you find the answer.</p> <p>Jack now works 3 days a week at the end of the week he gets paid 21p . His mum also gets paid 21p but works 7 days. Do they get paid the same for each day? You could use coins to help find the answer.</p> <p>This packet has 17 jelly beans in it. Jack tried to share them equally between himself and his mum but he couldn't. why? Can you talk to an adult and tell them why it is impossible?</p> 	<p>the word "because" in your explanation.</p> <p>Sometimes, always or never?</p> <p>Jack says all the numbers in the 5 times table end in 5.</p> <p>Do you think this is sometimes true, always true or never?</p>		<p>Jack sold his cow for 56p. Can you find different ways of making this exact amount?</p> <p>If Jack sold his cow for 56p and paid using a 50p coin and a 10p coin; what change would he be given? Can you write this as a number sentence?</p> <p>Can you think of another strategy to solve the answer?</p> <p>See if you can find a mixture of coins from 1p to 50p. Can you order the coins from the smallest to largest amount?</p> <p>Extension; now repeat but with coins up to the value of £2.00.</p> <p>I am thinking of a coin that is a multiple of 5. It is less than 50p but more than 10p. What coin am I thinking of? Prove it.</p> <p>Jack is holding of a coin that is a multiple of 10. He says he has 10 multiples of this amount. What coin is he holding? Prove it.</p> <p>Jack's mum had 20p. Write a statement like the ones above</p>
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<ul style="list-style-type: none">Can you measure objects in the house using a leaf or stick? How many leaves or sticks long are the objects? Sometimes, always or never? It is important that the leaves or sticks used to measure objects are the same length when comparing the length of different objects. Is this sometimes true, always true or never true? How do you know? See if your adult agrees with you and explain to them how you knew. You may even have a way to prove it.	Jack was counting in 2's he counts the number 15. Can you tell someone what mistake he had made and why?			<p>to give a family member a clue about what multiple she has.</p> <p>If $5 \text{ eggs} + 15 \text{ eggs} = 20 \text{ eggs}$ what else do we know about this statement? For example, could you write the inverse operation? (-)</p>
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