
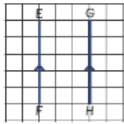


## Year 3 maths week 1

5 days of problem solving	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
<b>Factual fluency (to aid fluency)</b>	Counting in 4s from 0 to 48	<a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a> Times tables – hit the answer x 4	<a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a> Times tables – hit the answer x 4	<a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a> Division facts – hit the answer ÷ 4	<a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a> Division facts – hit the answer ÷ 4
<b>Problem/activity of the day</b>	<p>When 2 lines meet at a point, they make an angle. Make a 'right-angle tester' to find as many right angles as you can in your home Use a ruler to help you to draw a picture to show where you found them.</p> <p>Fold paper to make a small square or rectangle. The sides of the paper that meet at each corner make a right angle.</p>	<p>Two straight lines that meet or cross to make a right angle are perpendicular lines.</p> <p>What perpendicular lines can you find in your home?</p> <p>Use your right angle checker to help find them and use a ruler to draw perpendicular lines in your home.</p>	<p>Lines that do not meet at a point but sit side-by-side (no matter how long they are) are parallel lines.</p> <p>What parallel lines can you find in your home?</p> <p>Find and draw to show which lines in your home are parallel.</p>	<p>What horizontal and vertical lines can you spot in the picture?</p> <p>Colour the horizontal lines in one colour and the vertical lines in another colour. Use a ruler.</p> <p>Now draw your own picture using <b>only</b> horizontal and vertical lines. Use a different colour for horizontal and vertical.</p>	<p>A B C D E F G H I J K L M N O P Q R S T U V W X Y Z</p> <p>Can you find perpendicular lines in the letter T? Can you find parallel lines in the letter W? In the word TEN, T has only perpendicular lines. N has only parallel lines and E has both. What other words are like TEN?</p>
<b>Resources you will need</b>	Paper to make a right angle tester Pencil and paper	Paper and pencil Right angle tester	Paper and pencil Ruler	Paper and pencils (2 different colours) Day 4 - picture resource	Paper and pencil Letters of the alphabet
<b>Tips, clues or methods to help</b>	<p>We draw a right angle like this:</p> 	<p>Two straight lines that meet to make a right angle are called perpendicular lines.</p>	<p>We use arrow heads to show that two lines are parallel.</p> 	<p>Horizontal lines are parallel to the floor. Vertical lines are perpendicular to the floor.</p>	<p>Remind yourself of the meaning of perpendicular and parallel lines before trying to find the letters.</p>
<b>Want to check?</b>	Check the answer support	Check the answer support	Check the answer support	Check the answer support	Check the answer support
<b>Theme</b>	Angles	Angles and lines	Angles and lines	Angles and lines	Angles and lines

**Additional support:** answer support, day 4 - spot the lines in the picture

**Additional online activities:**

<https://www.bbc.co.uk/bitesize/topics/zb6tyrd/articles/zp327hv>

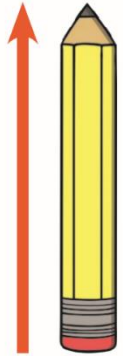
<https://nrich.maths.org/2761>



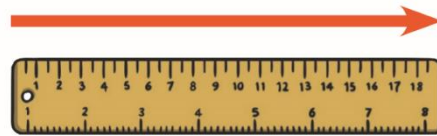
**Quality First Education Trust**

Year 3, week 1: support and check:

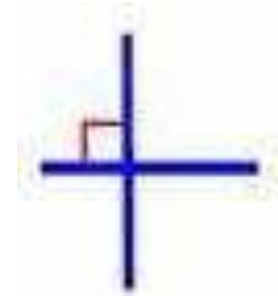
vertical



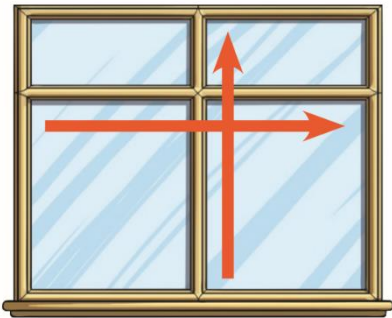
horizontal



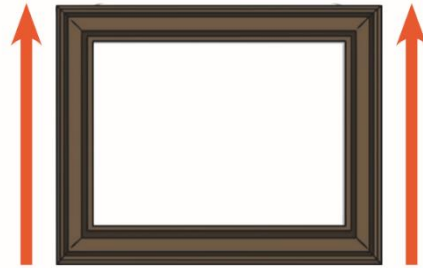
Perpendicular lines:



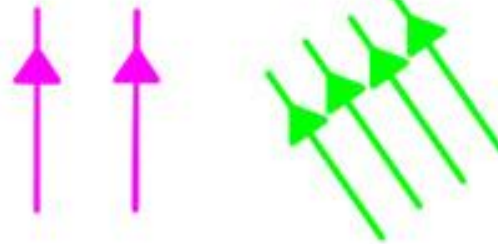
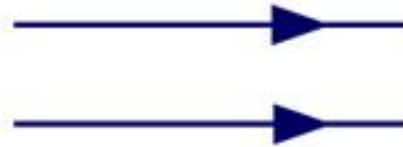
perpendicular



parallel



Parallel lines:



Year 3, week 1, day 4: Spot ALL the horizontal and vertical lines in the picture

