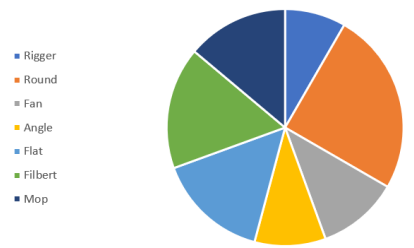


Functional Skills Maths | Lesson Starter Quiz for Art and Design Learners

<p>1. Kaia is designing and printing T-shirts using a homemade screen.</p> <ul style="list-style-type: none"> Designing Screen – $\frac{3}{4}$ hour Creating Screen – 25 minutes Printing – 10 minutes Drying Time – 1 hour 40 minutes <p>How long will it take her to fully create a printed T-shirt?</p> <p style="text-align: right;">(1)</p>	<p>2. Brooke is mixing Plaster of Paris to make a decorative money box.</p> <p>It needs to be mixed in the ratio 10 : 7 plaster to water.</p> <p>If she uses 150g of plaster, how many millilitres of water will she need?</p> <p style="text-align: right;">(1)</p>	<p>3. Charlotte is buying canvases for her to use in class. She sees the following price list:</p> <div style="border: 1px solid orange; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">A4 - £4.30</p> <p style="text-align: center;">A3 - £6.75</p> <p style="text-align: center;">A2 - £8.50</p> </div> <p>How much would it cost to buy one A4, two A3 and one A2?</p> <p style="text-align: right;">(1)</p>								
<p>4. Mason is painting a mural on the wall of the local youth centre. First, they need to cover the wall in white paint. The wall is 6m by 12.</p> <p>The paint comes in tins that cover 25m^2. How many tins of paint will they need?</p> <p style="text-align: right;">(1)</p>	<p>5. Kelly has created a pie chart showing all the types of paint brushes in the art department. There are 72 brushes in total.</p> <p style="text-align: center;">Pie Chart Showing Brushes in the Art Department</p> <div style="text-align: center;">  </div> <p>Using the pie chart, how many of the brushes were round?</p> <p style="text-align: right;">(1)</p>	<p>6. Lemar is researching firing times for clay. He thinks that the average time to fire clay is 12 hours.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Biscuit Firing</th> <th>Glaze Firing</th> <th>Raku Firing</th> <th>Soda Firing</th> </tr> </thead> <tbody> <tr> <td>10 hours</td> <td>12 hours</td> <td>2 hours</td> <td>30 hours</td> </tr> </tbody> </table> <p>Using the table above, find the mean firing time to check if Lemar is correct.</p> <p style="text-align: right;">(1)</p>	Biscuit Firing	Glaze Firing	Raku Firing	Soda Firing	10 hours	12 hours	2 hours	30 hours
Biscuit Firing	Glaze Firing	Raku Firing	Soda Firing							
10 hours	12 hours	2 hours	30 hours							
<p>7. A client has asked you to draw caricatures at a children's party.</p> <p>You know how long the party lasts and how long each caricature takes to draw.</p> <p>How would you work out how many caricatures you could draw at the party?</p> <p style="text-align: right;">(1)</p>	<p>8. Aquil is buying a pack of round-headed sable brushes. A pack costs £27.49 plus VAT.</p> <p>VAT is 20%</p> <p>How much will it cost Aquil in total?</p> <p style="text-align: right;">(1)</p>	<p>9. Use estimation to check your answer to question 8.</p> <p style="text-align: right;">(1)</p>								

Total Marks: _____ / 9