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

1. Kaia is designing and printing T-shirts using a homemade screen.
   - Designing Screen – ¾ hour
   - Creating Screen – 25 minutes
   - Printing – 10 minutes
   - Drying Time – 1 hour 40 minutes

   How long will it take her to fully create a printed T-shirt?

2. Brooke is mixing Plaster of Paris to make a decorative money box.
   It needs to be mixed in the ratio 10 : 7 plaster to water.
   If she uses 150g of plaster, how many millilitres of water will she need?

3. Charlotte is buying canvases for her to use in class. She sees the following price list:
   - A4 - £4.30
   - A3 - £6.75
   - A2 - £8.50

   How much would it cost to buy one A4, two A3 and one A2?

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.
   The paint comes in tins that cover 25m². How many tins of paint will they need?

5. Kelly has created a pie chart showing all the types of paint brushes in the art department. There are 72 brushes in total.

   Using the pie chart, how many of the brushes were round?

6. Lemar is researching firing times for clay. He thinks that the average time to fire clay is 12 hours.

   Using the table above, find the mean firing time to check if Lemar is correct.

7. A client has asked you to draw caricatures at a children’s party.
   You know how long the party lasts and how long each caricature takes to draw.

   How would you work out how many caricatures you could draw at the party?

8. Aquil is buying a pack of round-headed sable brushes. A pack costs £27.49 plus VAT.

   VAT is 20%

   How much will it cost Aquil in total?

9. Use estimation to check your answer to question 8.

   Total Marks: ________ / 9