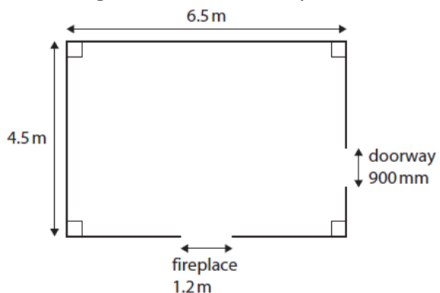


Functional Skills Maths | Lesson Starter Quiz for Construction Learners

<p>1. Trudy is costing a job. She uses this rule to work out the price for this job.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>number of hours → multiply by 24 → add cost of paint (£) → price (£)</p> </div> <p>Trudy says</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px 0; width: fit-content;"> <p>The job will take 3 hours. The cost of the paint is £16</p> </div> <p>What is the price for this job?</p> <p style="text-align: right;">(1)</p>	<p>2. Joel is buying paint. He sees the following offer:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0; text-align: center;"> <p>Special Offer Undercoat £30 Matt Emulsion £21</p> <p>Buy both and save 15%</p> </div> <p>How much will it cost to buy 2 tins of undercoat and matt emulsion?</p> <p style="text-align: right;">(1)</p>	<p>3. Ria is mixing mortar for bricklaying. She knows ratio of cement to sand is 1:3.</p> <p>She has 25kg of cement, how much sand will she need?</p> <p style="text-align: right;">(1)</p>							
<p>4. Courtney has a number of jobs to do.</p> <p>Door rehangng – 1 hour 40 minutes Reseal windows – 1 $\frac{3}{4}$ hours Resecure spindle – 25 minutes</p> <p>How long will these activities take them in total?</p> <p style="text-align: right;">(1)</p>	<p>5. Gabriel wants to buy a new door. He measures his doorway and finds it is 6 $\frac{1}{2}$ feet high.</p> <p>Gabriel knows that approximately</p> <p style="text-align: center;">1 foot = 0.3m</p> <p>How high is the doorway in metres?</p> <p style="text-align: right;">(1)</p>	<p>6. Mahmood is hanging lining paper on a series of new builds. He has timed himself doing this.</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="font-size: small;">Time taken (minutes)</td> <td>54</td> <td>52</td> <td>47</td> <td>51</td> <td>45</td> <td>42</td> </tr> </table> <p>What is the mean number of minutes he has taken?</p> <p style="text-align: right;">(1)</p>	Time taken (minutes)	54	52	47	51	45	42
Time taken (minutes)	54	52	47	51	45	42			
<p>7. David is a joiner. He is creating a quote for a customer.</p> <ul style="list-style-type: none"> He knows how much the job will cost the customer. He knows he has to add a certain percentage for VAT. <p>How does he work out how much to charge in total?</p> <p style="text-align: right;">(1)</p>	<p>8. Dionne needs to lay skirting boards in a room. The skirting boards:</p> <ul style="list-style-type: none"> will go along the bottom of each wall not go across the doorway not go across the fireplace. <div style="text-align: center; margin: 10px 0;">  </div> <p>How many metres of skirting boards will she need?</p> <p style="text-align: right;">(1)</p>	<p>9. Use a reverse calculation to check your answer to question 5.</p> <p style="text-align: right;">(1)</p>							