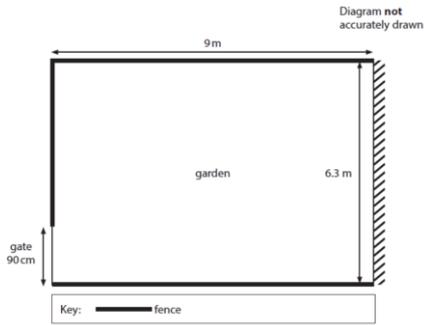
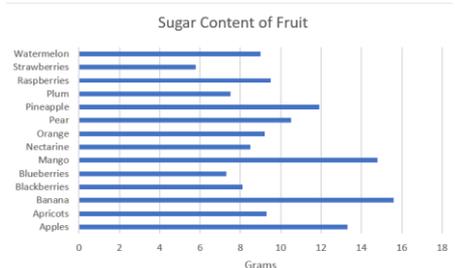


## Functional Skills Maths | Lesson Starter Quiz for Caring For Children Learners

<p>1. Georgia has 17 children aged 0 – 2 in her preschool.</p> <p>She knows the ratio of adults to children is 1:4 for this age group.</p> <p>How many adults does this group need?</p> <p style="text-align: right;">(1)</p>	<p>2. Kia wants to put a new fence around the garden in his nursery.</p> <div style="text-align: right; font-size: small;">Diagram not accurately drawn</div>  <p style="text-align: center;">garden</p> <p style="text-align: center;">Key: — fence</p> <p>Fence posts are 90cm long.</p> <p>How many fence posts will he need?</p> <p style="text-align: right;">(1)</p>	<p>3. Suzanne wants to give out healthy fruit snacks. She believes anything with over 8 grams of sugar is unhealthy.</p> <div style="text-align: center;">  <table border="1" style="margin: 0 auto; font-size: x-small;"> <caption>Sugar Content of Fruit</caption> <thead> <tr> <th>Fruit</th> <th>Sugar Content (Grams)</th> </tr> </thead> <tbody> <tr><td>Watermelon</td><td>9</td></tr> <tr><td>Strawberries</td><td>6</td></tr> <tr><td>Raspberries</td><td>9</td></tr> <tr><td>Plum</td><td>10</td></tr> <tr><td>Pineapple</td><td>12</td></tr> <tr><td>Pear</td><td>10</td></tr> <tr><td>Orange</td><td>9</td></tr> <tr><td>Nectarine</td><td>8</td></tr> <tr><td>Mango</td><td>15</td></tr> <tr><td>Blueberries</td><td>7</td></tr> <tr><td>Blackberries</td><td>8</td></tr> <tr><td>Banana</td><td>15</td></tr> <tr><td>Apricots</td><td>9</td></tr> <tr><td>Apples</td><td>13</td></tr> </tbody> </table> </div> <p>Using the bar chart, how many of the different fruits are suitable?</p> <p style="text-align: right;">(1)</p>	Fruit	Sugar Content (Grams)	Watermelon	9	Strawberries	6	Raspberries	9	Plum	10	Pineapple	12	Pear	10	Orange	9	Nectarine	8	Mango	15	Blueberries	7	Blackberries	8	Banana	15	Apricots	9	Apples	13
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<p>4. You are planning some outdoor play activities.</p> <p>Scavenger Hunt – 1 hour 10 minutes</p> <p>Nature Walk – <math>\frac{3}{4}</math> of an hour</p> <p>Seashell Sorting – 20 minutes</p> <p>How long will these activities take in total?</p> <p style="text-align: right;">(1)</p>	<p>5. Frankie is buying healthy snacks. They have the following prices:</p> <ul style="list-style-type: none"> <li>• Flapjacks - £3.49 per pack</li> <li>• Apples - £2.50 per pack</li> <li>• Rice Cakes - £1.99 per pack</li> </ul> <p>They decide to buy two packs of rice cakes, one pack of flapjacks and one pack of apples.</p> <p>How much will this cost?</p> <p style="text-align: right;">(1)</p>	<p>6. Gary runs a toddler group. This is the number of have toddlers per day across a typical week.</p> <div style="text-align: center; border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px 10px;">7</td> <td style="padding: 2px 10px;">5</td> <td style="padding: 2px 10px;">8</td> <td style="padding: 2px 10px;">3</td> <td style="padding: 2px 10px;">8</td> </tr> </table> </div> <p>What is the mean number of toddlers that attend the sessions?</p> <p style="text-align: right;">(1)</p>	7	5	8	3	8																									
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<p>7. Penny is the manager of a nursery for pre-school children.</p> <p>She knows what the ratio of the number of adults to the number of children must be.</p> <p>She knows how many children there are in the nursery.</p> <p>How does she work out how many adults she needs?</p> <p style="text-align: right;">(1)</p>	<p>8. Emma is making play dough. Her recipe says to use 14 ounces of plain flour. She knows</p> <p style="text-align: center; margin: 10px 0;"><math>1\text{oz} = 28\text{g}</math></p> <p>She has a 500g bag of flour. Is this enough for the recipe?</p> <p style="text-align: right;">(1)</p>	<p>9. Use a reverse calculation to check your answer to question 8.</p> <p style="text-align: right;">(1)</p>																														