| Fractions (Mixed) Mark Scheme |  |  |
| :--- | :---: | :--- |
| 1(a) | $\frac{24}{11} \times \frac{13}{12}=\frac{312}{132}$ | $\begin{array}{l}\text { [1] Convert to improper fractions and } \\ \text { multiply }\end{array}$ |
|  | $=\frac{26}{11}=2 \frac{4}{11}$ | $\begin{array}{l}\text { [1] Cancelling down and converting to a } \\ \text { mixed fraction }\end{array}$ |
| 1(b) | $\frac{15}{2} \div \frac{2}{3}=\frac{15}{2} \times \frac{3}{2}$ | $\begin{array}{l}\text { [1] Convert to improper fractions and } \\ \text { changing the division to a multiplication by } \\ \text { inverting the second fraction. }\end{array}$ |
|  | $=\frac{45}{4}=11 \frac{1}{4}$ | [1] Converting back to a mixed fraction |\(\left.] \begin{array}{l}[1] Convert given fractions to have the \\


same denominator and adding. together\end{array}\right]\)| [1] Subtracting result from 1 and |
| :--- |
| simplifying |


| 5(b) | $=\frac{8}{7}+\frac{10}{3}$ | [1] Convert to improper fractions and add |
| :--- | :---: | :--- |
|  | $=\frac{94}{21}=\frac{4}{21}$ | [1] Converting answer to mixed fraction |
| $\mathbf{6 ( a )}$ | $\frac{3}{15}+\frac{5}{15}=\frac{8}{15}$ | [1] Identify common denominator and add |
|  | $1-\frac{8}{15}=\frac{7}{15}$ | [1] Total fraction of rope left |
| $\mathbf{6 ( b )}$ | $\frac{7}{15} \times 900=420 \mathrm{~cm}$ | [1] Find total length of rope left |
|  | $\frac{420}{4}=105 \mathrm{~cm}$ | [1] Correct length of each section of rope |

