






| Fraction Strategies |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Known Facts and Complements <br> to 1 <br> Revise known facts: <br> $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{1}{5}, \frac{1}{8}$ of 100 with links to 1000 and 1 (decimals). $\begin{aligned} & \frac{2}{10}+\frac{5}{10}+\frac{1}{10}=1 \\ & \frac{9}{11}-\frac{4}{11}= \end{aligned}$ $-+-=-$ <br> 1-- =- <br> Going Over 1 Whole $\begin{aligned} & 2 \frac{1}{6}+\frac{5}{6}= \\ & 1 \frac{1}{3}-\frac{1}{3}= \\ & 1 \frac{1}{5}+2 \frac{1}{5}= \\ & 1 \frac{5}{8}-\frac{2}{8}= \\ & 1 \frac{1}{5}-\frac{2}{5} \end{aligned}$ <br> Ordering/Comparing $\begin{aligned} & \frac{1}{5}, \frac{1}{10}, \frac{1}{100} \\ & \frac{2}{5}, \frac{2}{10}, \frac{2}{100} \end{aligned}$ <br> Write the fraction which is closest to 1. $\frac{99}{100}, \frac{49}{50}, \frac{19}{20} .$ | Visual Representations $\frac{2}{5}=\overline{10}$ <br> Draw bar model to find out $\frac{2}{5} \times 140$ <br> Show on bar model, divide by 10 and double. <br> Continue fraction sequences where same fraction added each time. Use bar model to demonstrate. $-, \frac{3}{5}, 1 \frac{2}{10}, \mathbf{1} \frac{8}{100},-,$ | Partitioning <br> How many ways can you partition $\frac{8}{10}$ ? <br> etc <br> Bar Model. <br> $\frac{4}{7}+\frac{5}{7}=$ $\frac{3}{7}+\frac{2}{7}$ <br> $1 \times 10+\frac{3}{4}$ of 10 | Scaling and Associated Language $\begin{aligned} & \frac{1}{4} \text { of } 100= \\ & \frac{3}{4} \text { of } 100= \\ & \frac{1}{4} \text { of } 1000= \\ & \frac{3}{4} \text { of } 1000= \end{aligned}$ <br> Relate to all powers ten and scale up to 200, 300 etc. $\begin{aligned} & \frac{1}{2} \times 26= \\ & 1 \frac{1}{2} \times 40= \\ & \frac{1}{5} \times 25= \\ & 1 \frac{3}{4} \times 10= \end{aligned}$ | Written Methods <br> Make use of doubling, halving and visuals alongside these. $\frac{1}{4} \div 2=\frac{1}{4} \times \frac{1}{2}$ <br> OR $\frac{1}{4} \div 2$ (is the same as half of $\frac{1}{4}$ $\begin{aligned} & \frac{3}{10}-\frac{1}{20} \\ & \frac{3}{10}-\frac{1}{20} \\ & \frac{2}{5} \text { of } 140= \end{aligned}$ |

## Number Talk Strategies Year 6



