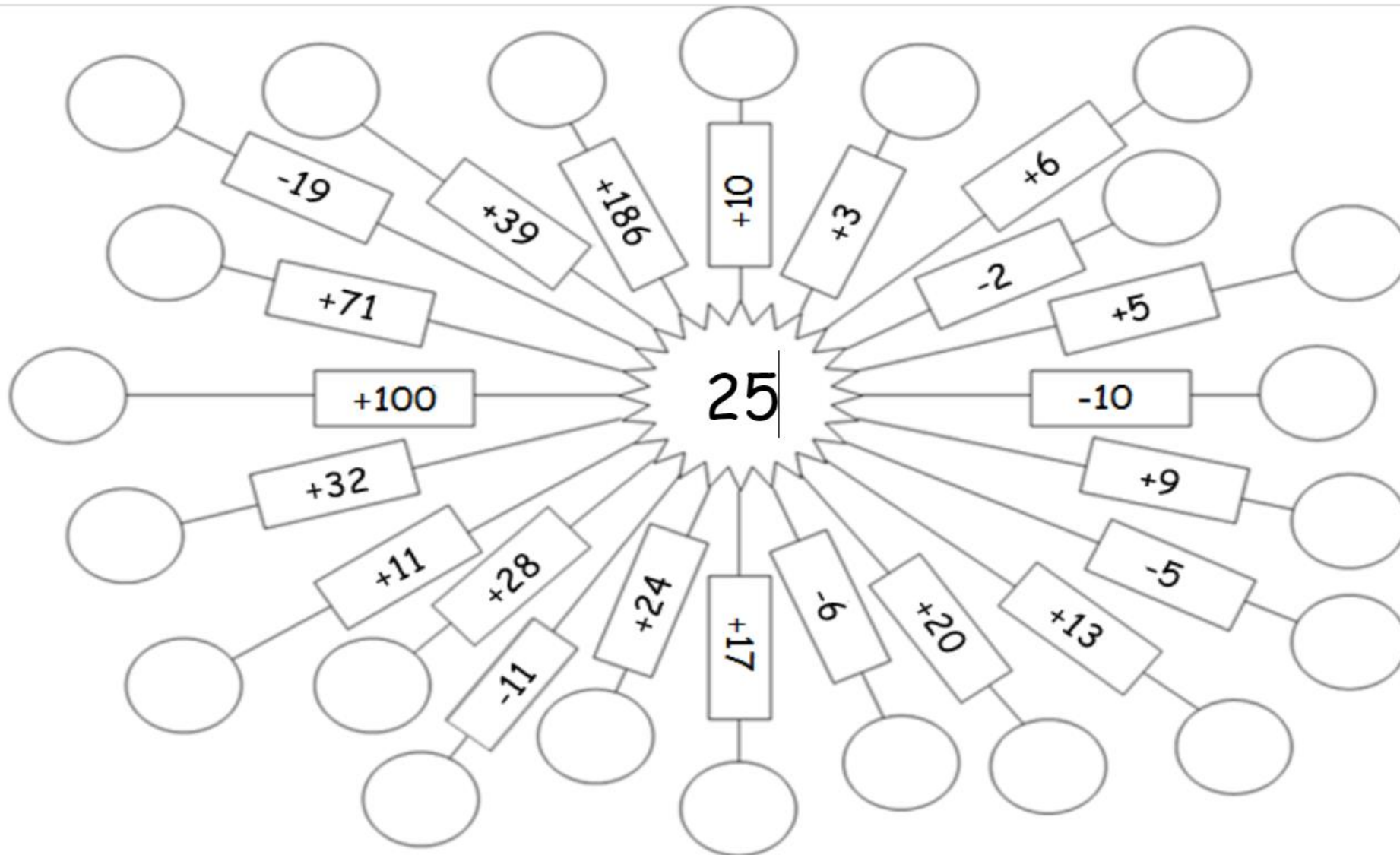


Week 2 – Maths Home Learning

Monday Maths

Day 1 Starter – try to complete these mentally



Day 1 – Calculating with fractions

Video Link: <https://vimeo.com/471344877>

Use this to support you if you are unsure. Remember to add or subtract fractions you must have a common denominator.

E.g. denominators of 4 and 6 could have the common denominator of 12. “Whatever you do to the bottom, you must do to the top!”

Day 1 – Adding & Subtracting fractions – Spend around 15 mins on addition then 15 mins on subtraction.

Set A

Find the missing numbers:

- $\frac{1}{2} + \frac{1}{3} = \frac{\square}{6} + \frac{\square}{6} = \frac{\square}{6}$
- $\frac{3}{4} + \frac{1}{5} = \frac{\square}{20} + \frac{\square}{20} = \frac{\square}{20}$
- $\frac{1}{10} + \frac{2}{3} = \frac{\square}{30} + \frac{\square}{30} = \frac{\square}{30}$
- $\frac{2}{9} + \frac{2}{5} = \frac{\square}{45} + \frac{\square}{45} = \frac{\square}{45}$

Find the missing numbers:

- $\frac{3}{4} + \frac{1}{3} = \frac{\square}{12}$
- $\frac{5}{6} + \frac{3}{8} = \frac{\square}{24}$
- $1\frac{1}{2} + \frac{2}{9} = \frac{\square}{18}$
- $1\frac{2}{7} + \frac{3}{5} = 1\frac{\square}{35}$

Work out, giving your answers in their simplest forms:

- $\frac{4}{3} + \frac{1}{2}$
- $\frac{1}{4} + \frac{1}{9}$
- $\frac{2}{5} + \frac{1}{6}$
- $\frac{1}{6} + \frac{3}{10}$

Set B

Work out, giving your answers in their simplest forms:

- $\frac{1}{2} + \frac{1}{5}$
- $\frac{2}{15} + \frac{7}{10}$
- $\frac{5}{6} + \frac{1}{9}$
- $\frac{1}{10} + \frac{1}{6} + \frac{2}{3}$

Work out, giving your answers as improper fractions:

- $\frac{7}{8} + \frac{1}{3}$
- $1\frac{1}{9} + \frac{3}{2}$
- $2\frac{2}{5} + \frac{1}{12}$
- $3\frac{1}{5} + \frac{1}{3}$

Work out, giving your answers as mixed numbers:

- $\frac{7}{8} + \frac{7}{10}$
- $1\frac{2}{5} + \frac{3}{4}$
- $2\frac{1}{2} + \frac{7}{11}$
- $3\frac{2}{3} + 1\frac{1}{2}$

Set C

Work out, giving your answers in their simplest forms:

- $\frac{1}{3} + \frac{1}{3} + \frac{2}{5}$
- $\frac{3}{8} + \frac{3}{10} + \frac{1}{8}$
- $\frac{1}{12} + \frac{1}{6} + \frac{1}{5}$
- $\frac{1}{4} + \frac{3}{10} + \frac{2}{5}$

Work out, giving your answers as improper fractions:

- $1\frac{1}{3} + \frac{7}{20}$
- $3\frac{7}{15} + 7\frac{1}{2}$
- $4\frac{3}{8} + \frac{2}{3}$
- $1\frac{1}{25} + 3\frac{1}{4}$

Find the missing numbers:

- $\frac{5}{4} + \frac{\square}{3} = 1\frac{11}{12}$
- $\frac{\square}{5} + \frac{5}{8} = 1\frac{9}{40}$
- $\frac{\square}{2} + \frac{14}{9} = 4\frac{1}{18}$
- $\frac{15}{8} + \frac{\square}{12} = 2\frac{19}{24}$

Set A

Find the missing numbers:

- $\frac{3}{4} - \frac{1}{3} = \frac{\square}{12} - \frac{\square}{12} = \frac{\square}{12}$
- $\frac{2}{3} - \frac{3}{5} = \frac{\square}{15} - \frac{\square}{15} = \frac{\square}{15}$
- $\frac{8}{15} - \frac{3}{10} = \frac{\square}{30} - \frac{\square}{30} = \frac{\square}{30}$
- $\frac{5}{7} - \frac{1}{4} = \frac{\square}{28} - \frac{\square}{28} = \frac{\square}{28}$

Find the missing numbers:

- $\frac{10}{3} - \frac{1}{2} = \frac{\square}{6}$
- $\frac{9}{4} - \frac{5}{6} = \frac{\square}{12}$
- $2\frac{1}{3} - \frac{4}{5} = \frac{\square}{15}$
- $1\frac{1}{6} - \frac{1}{5} = \frac{\square}{30}$

Work out, giving any answers bigger than 1 as mixed numbers:

- $\frac{1}{2} - \frac{2}{5}$
- $\frac{5}{7} - \frac{1}{3}$
- $2\frac{4}{5} - \frac{1}{3}$
- $1\frac{2}{3} - \frac{1}{4}$

Set B

Work out the following calculations:

- $\frac{7}{12} - \frac{1}{8}$
- $\frac{1}{4} - \frac{1}{11}$
- $\frac{5}{6} - \frac{7}{20}$
- $\frac{9}{10} - \frac{1}{4}$

Work out, giving your answers as improper fractions:

- $2\frac{1}{6} - \frac{1}{9}$
- $1\frac{10}{11} - \frac{1}{2}$
- $1\frac{4}{5} - \frac{3}{8}$
- $2\frac{1}{12} - \frac{3}{5}$

Work out, giving any answers bigger than 1 as mixed numbers:

- $\frac{12}{5} - \frac{1}{6}$
- $1\frac{7}{10} - \frac{1}{3}$
- $1\frac{3}{8} - \frac{5}{12}$
- $3\frac{1}{4} - 1\frac{4}{5}$

Set C

Work out the following calculations:

- $\frac{2}{3} - \frac{1}{3} - \frac{1}{5}$
- $\frac{3}{4} - \frac{2}{7} - \frac{1}{4}$
- $\frac{1}{2} - \frac{1}{3} - \frac{1}{9}$
- $\frac{9}{10} - \frac{3}{5} - \frac{1}{12}$

Work out, giving your answers as improper fractions:

- $3\frac{4}{5} - \frac{2}{3}$
- $2\frac{2}{9} - \frac{5}{6}$
- $2\frac{1}{15} - \frac{3}{4}$
- $3\frac{1}{6} - 1\frac{2}{7}$

Find the missing numbers:

- $\frac{8}{3} - \frac{\square}{4} = 1\frac{5}{12}$
- $\frac{\square}{6} - \frac{7}{10} = 1\frac{19}{30}$
- $\frac{\square}{7} - \frac{3}{11} = 1\frac{23}{77}$
- $\frac{7}{5} - \frac{\square}{12} = \frac{59}{60}$