MONDAY

1. add the fractions, then the whole number

$\frac{3}{4} + \frac{7}{8}$

$= \frac{6}{8} + \frac{7}{8} = \frac{13}{8} = 1\frac{5}{8}$

$+1 = 2\frac{5}{8}$

2. $\frac{5}{6}$ of $x = 25$

$\underbrace{\boxed{5}\boxed{5}\boxed{5}\boxed{5}\boxed{5}}_{25}\boxed{5}$

$x = 6 \times 5 = \underline{30}$

3. Area = length × width

$48cm^2 = 8 \times$ width

So width = $48 \div 8 = \underline{6cm}$

4. $\frac{7}{9} \div \frac{6}{1}$

$= \frac{7}{9} \times \frac{1}{6} = \frac{7}{54}$

TUESDAY

1. $5.45 \times 1000 = \underline{5450ml}$

2. $3\frac{4}{5} - 2\frac{3}{10}$ with subtraction, change both to improper fractions

$= \frac{19}{5} - \frac{23}{10}$ then change to the same denominator

$= \frac{38}{10} - \frac{23}{10} = \frac{15}{10} = 1\frac{5}{10}$ or $\underline{1\frac{1}{2}}$

3. $2x + 7$ if $x = 4$

$(2 \times 4) + 7 = 8 + 7 = \underline{15}$

4. $3x + 5 = 17$

$3x = 17 - 5$

$3x = 12$

$x = 12 \div 3$

$\underline{x = 4}$

WEDNESDAY

1. Area $\Delta = \frac{\text{base} \times \text{height}}{2} = \frac{12 \times 6}{2} = \frac{72}{2} = 36\text{cm}^2$

2. $3456 \div 1000 = 3.456$ km

3. 14min + 120min + 9 min = 143 minutes
   or 2 hrs 23 minutes

4. $8b - 4 = 24$ (add 4 to both sides)
   $8b = 24 + 4$
   $8b = 28$ so $b = 28 \div 8 = 3.5$

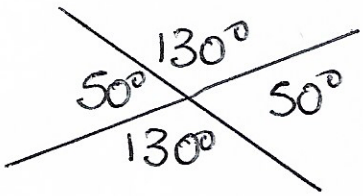
THURSDAY

1. 3460 × 7 = £24220
   3 4

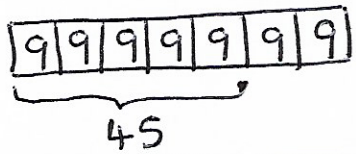
2. 12.75 × 3 = £38.25
   2 1

   38.25 + 4.75 = £43.00
   1 1

3. Opposite angles are the same



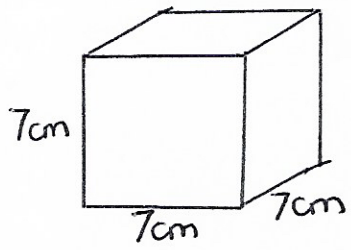
   $360° - 100° = 260°$
   $260° \div 2 = 130°$

4. 

   $x = 7 \times 9 = 63$

FRIDAY

1. $135° + 90° = 225°$
   $360° - 225° = 135°$

2. 

   $7 \times 7 \times 7 = 343\text{cm}^3$

3. $4\frac{2}{3} \times 8$
   multiply fraction first, then the whole number
   $\frac{2}{3} \times \frac{8}{1} = \frac{16}{3} = 5\frac{1}{3}$
   $4 \times 8 = 32 + 5\frac{1}{3} = 37\frac{1}{3}$

4. $6x = 36$ so $x = 6$
   $13x = 13 \times 6 = 78$