

MATH WORK

Name Jordan (sample)

Date Code SAMPLE

Assignment Mixed practice - evens

Write each problem number in the margin. Use as much space as you need.

Draw a line below your work before starting the next problem. Box your final answer.

No. WORK

2	$\begin{array}{r} 18.6 \\ + 7.85 \\ \hline 26.45 \end{array}$
4	$\frac{3}{4} - \frac{1}{6}$ Common denominator: 12 $\frac{9}{12} - \frac{2}{12} = \boxed{\frac{7}{12}}$ 7 and 12 have no common factor greater than 1.
6	$\begin{array}{l} 3(2x - 5) + 4 = 25 \\ 6x - 15 + 4 = 25 \\ 6x - 11 = 25 \\ \quad + 11 \quad + 11 \\ \hline 6x = 36 \\ 6x / 6 = 36 / 6 \\ \boxed{x = 6} \end{array}$ Check: $\begin{array}{l} 3(2 \times 6 - 5) + 4 \\ = 3(12 - 5) + 4 \\ = 21 + 4 = 25 \end{array}$
8	A rectangle has perimeter 46 cm and width 8 cm. Find its length and area. $\begin{array}{l} P = 2l + 2w \\ 46 = 2l + 2(8) \\ 46 = 2l + 16 \\ 30 = 2l \\ \boxed{l = 15 \text{ cm}} \end{array}$ Check: $15 + 8 + 15 + 8 = 46 \text{ cm}$ $\begin{array}{l} A = l \times w \\ A = 15 \times 8 \\ \boxed{A = 120 \text{ cm}^2} \end{array}$