1 The price of a ticket for a football match is $124.

(a) Calculate the amount received when 76 500 tickets are sold.

$76500 \times \$124 = \$9486000$

Answer(a) $ _9486000_ [1]

(b) Write your answer to **part (a)** in standard form.

$9486000 = 9.486 \times 10^6$

Answer(b) $ _9.486 \times 10^6_ [1]

2 Gregor changes $700 into euros (€) when the rate is €1 = $1.4131.

Calculate the amount he receives.

$€1 = \$1.4131$

$x = \$700$

$x = \dfrac{1}{1.4131} \cdot 700$

$= €495.364800792584\ldots$

$\approx €495.36$

Answer € _495.36_ [2]

3 Factorise completely.

$15p^2 + 24pt$

$= 3p(5p + 8t)$

Answer _$3p(5p + 8t)$_ [2]

4 Write the following in order of size, **smallest** first.

$$0.47 \qquad \frac{8}{17} \qquad \sqrt{0.22} \qquad \tan 25°$$

$\frac{8}{17} = 0.470588\ldots$ $\sqrt{0.22} = 0.469041\ldots$ $\tan 25° = 0.466307\ldots$

Answer _$\tan 25$_ < _$\sqrt{0.22}$_ < _0.47_ < _$\frac{8}{17}$_ [2]