

Number Nest Weekly Challenge



Warm up

1. What is 22447 grams in kg to the nearest tens? **22447g = 22.447kg = 20kg to the nearest tens**
2. What is 900 seconds in hours? **0.25 hours or $\frac{1}{4}$ hours**
3. What is 12 kilometres in miles? **$\frac{12}{8} \times 5 = \frac{15}{2}$ or 7.5 miles** 5 miles = 8 km
4. What is 1500 cm² in m²? **0.15m²**

Activity

1. Clair sells on average 8 eclairs per hour in boxes of two, each box costs £3.50. How much does Clair earn in 5 days?

8 eclairs per hour = 4 boxes per hour

4 x 24 x 5 = 480 boxes sold over 5 days

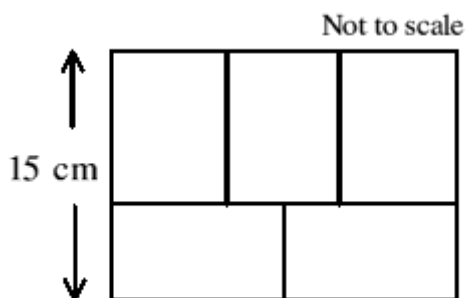
480 x 3.50 = £1680

2. Fill in the missing space using \times , \div , $+$, $-$ so calculations go from largest to the smallest:

$$5 \boxed{\times} 6 > 4 \boxed{+} 12 > 9 \boxed{-} 3$$

9 \div 3 also works

3. Five identical rectangles fit together as shown. What, in cm², is the total area which they cover?



1. length + width = 15cm

2. 2 length = 3 width, length = $\frac{3}{2}$ width

So 1. $\frac{5}{2}$ width = 15, width = 6 cm

The area of the total shape is 15 x (6x3) = 270 cm²



