

Canonbury Home Learning

Year 6 Maths

Developing activity

Lesson 4

LO: TBAT compare and convert different weights.

Success Criteria:

1. Read the question.
2. Read the measurement.
3. Use the conversion chart to help you convert the question to a different measurement.

Model

Weight

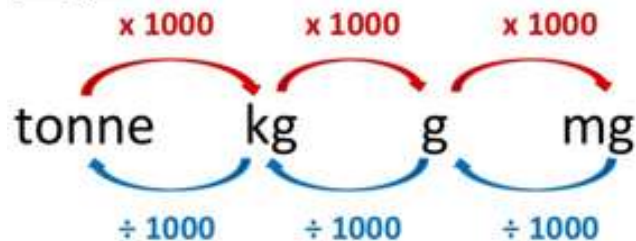
1 tonne = 1000 kilograms

1 kilogram = 1000 grams

1 gram = 1000 milligrams









Weight:











Now you try...

Write the most likely weight of each creature.

1  10g 200g 2kg	3  1kg 2g 20g	5  20g 20kg 8kg
2  2g 10kg 100kg	4  3g 700g 10kg	6  1g 1kg 2kg

Write each amount in kilograms.

7  1250g	9  1000g	11  500g	13  2500g
8  2000g	10  750g	12  1500g	14  2750g

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Year 6 Maths

Expected/ Greater depth activity

Lesson 4

LO: TBA solve problems including converting between different weights.

Task:

You are going apply your knowledge to solve several problems including converting between weights.

Success Criteria:

1. Read the question.
2. Read the measurement.
3. Use the conversion chart to help you convert the question to a different measurement.
4. For some questions you may have to use one of the 4 operations (+, -, x or ÷)

Recap:

Weight

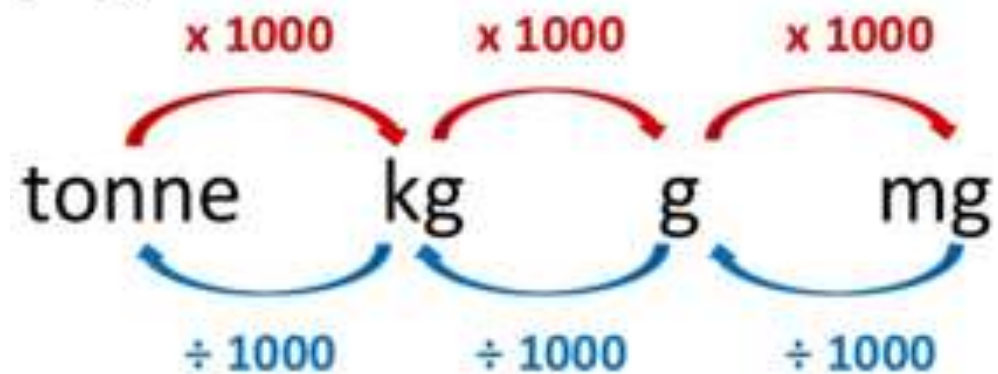
1 tonne = 1000 kilograms









1 kilogram = 1000 grams

1 gram = 1000 milligrams



Weight:



Task 1	Task 2	Task 3	Task 4
<p>Practice Write the most likely weight of each creature.</p> <p>1  10g 200g 2kg</p> <p>2  2g 10kg 100kg</p> <p>3  1kg 2g 20g</p> <p>4  3g 700g 10kg</p> <p>5  20g 20kg 8kg</p>	<p>Arithmetic</p> <p>22 $\begin{array}{r} 34.9 \\ \times 5 \\ \hline \end{array}$</p> <p>23 $34.8 - 9.76 =$</p> <p>24 $21 \overline{)2751} =$</p> <p>25 $\frac{1}{3} \times \frac{1}{2} =$</p> <p>26 $30\% = \frac{?}{20}$</p> <p>27 $\frac{1}{3} + \frac{3}{5} =$</p> <p>28 $\frac{1}{3} + 4 =$</p>	<p>Problem Solving</p> <p>Task 1 Write these masses in order, starting with the lightest.</p> <p>1.25 kg 0.99 kg 1.025 kg 0.009 kg</p> <p><input type="text"/> kg <input type="text"/> kg <input type="text"/> kg <input type="text"/> kg</p> <p>lightest</p> <p>Task 2</p> <p> potatoes £1.50 per kg</p> <p> carrots £1.80 per kg</p> <p>Jack buys $1\frac{1}{2}$ kg of potatoes and $\frac{1}{2}$ kg of carrots. How much change does he get from £5?</p> <p>Task 3 Miss Mills is making jam to sell at the school fair. Strawberries cost £7.50 per kg. Sugar costs 79p per kg. 10 glass jars cost £6.90 She uses 12 kg of strawberries and 10 kg of sugar to make 20 jars full of jam. Calculate the total cost to make 20 jars full of jam.</p>	<p>Reasoning</p> <p>Task 1 Mo thinks that 12,000 g is greater than 20 kg because $12,000 > 20$ Explain why Mo is wrong.</p> <p>Task 2 Each nail weighs 3.85 grams.  There are 24 nails in a packet. What would be the total mass of 60 packets of nails? Give your answer in kilograms. How many packets would you need if you wanted $\frac{1}{2}$ kg of nails? How many grams of nails would be left over?</p> <p>Task 3 Eva wants to make a cake. Here are some of the ingredients she needs:</p> <ul style="list-style-type: none"> 8 ounces of caster sugar 6 ounces of self-raising flour 6 ounces of butter <p>This is what Eva has in her cupboards:</p> <ul style="list-style-type: none"> 0.5 lbs of caster sugar 0.25 lbs of self-raising flour $\frac{3}{8}$ lbs of butter <p>Does Eva have enough ingredients to bake the cake? If not, how much more does she need to buy?</p> 