



# BJHS - Numeracy Newsletter - 5

## Units Of Measurement

Name: \_\_\_\_\_

Welcome to the fifth BJHS Numeracy Newsletter.

This newsletter aims to promote numeracy skills amongst students and prepare them for using maths in everyday life.

This newsletter is about units of measurement. We encourage you to sit down with your child and work through the examples with them - discussing how you would go about solving the problems. Completed newsletters that are returned will go into a prize draw for a £10 Amazon gift voucher!

For more numeracy information, visit the school website and go to the Numeracy page where you will find ideas, all the Numeracy newsletters and links to BBC Skillswise and Parent Zone.

This question is around First Level and should be within the range of Middle Primary, Upper Primary and Secondary.

**1. Estimate the weight of these items using grams (g), kilograms (kg) or tonnes (T).**

a. A pencil \_\_\_\_\_

b. A family car \_\_\_\_\_

c. A bag of sugar \_\_\_\_\_

d. A 747 jumbo jet \_\_\_\_\_

e. The ingredients shown are enough to make 20 pieces of shortbread. How many kg of butter will you need to make 200 pieces? \_\_\_\_\_

### Remember

1000g = 1kg

1000kg = 1T

### Ingredients

150g butter

60g sugar

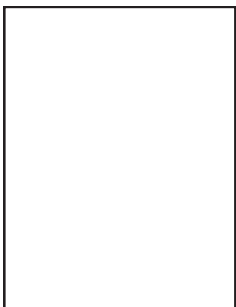
190g flour

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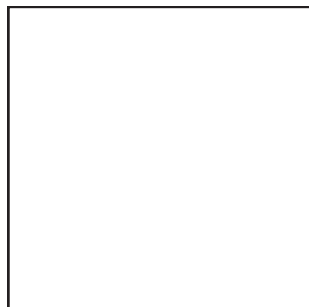
**2. What is the area of each shape shown below?**

(you might need a ruler to help you)

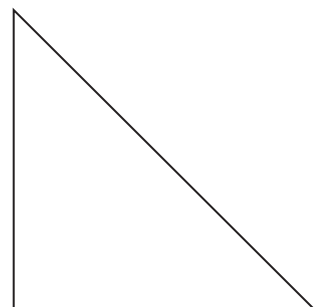
a.



b.



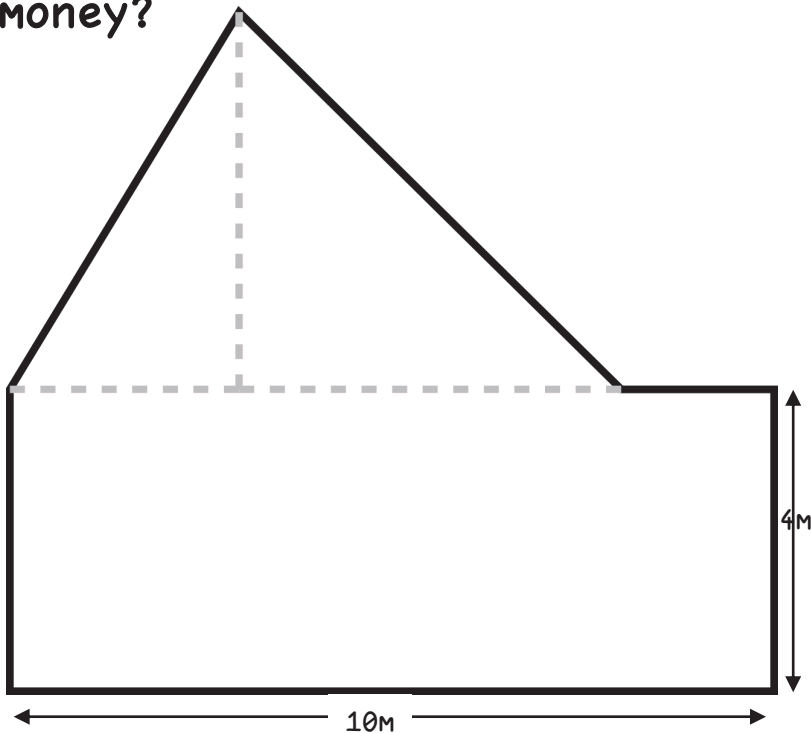
c.



HINT: Area of a square (or rectangle) = height x width

Area of a right angled triangle = ( height x width ) / 2

3. Mrs Petrie is looking to buy a new carpet for the Primary end of the school. She has £1000 to spend. Look at the floor layout below; does she have enough money?



Carpet Cost

£20 per  $m^2$

HINT: 1cm on the drawing above is 1m in real life.

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4. Mr Thomson needs to replace the fence around part of the school. The area has 4 sides which measure 100m by 120m by 75m by 95m. There is a gate on one side which measures 2m wide. What length of fencing does Mr Thomson need?

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5. Lynette is ordering grass seed for the football pitches. Pitch 1 measures 25m by 15m and pitch 2 measures 50m by 40m. 2kg of seed is required per  $1m^2$ . The seed costs 10p for 250g. How much will it cost to seed both pitches?

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