

Y7 Unit 4 Overview-**Money and Measures**

You will learn about:



Lesson Overview

EXPLORING MONEY

Recognise coins and notes up to £20:

- Recognise the coins: 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2
- Count, say and record amounts of money using the coins 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2
- Recognise the notes: £5 and £10
- Recognise and use the symbols for pounds (£) and pence (p)
- Read and say amounts of money combining the coins 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2
- Count, say and record amounts of money combining the coins 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2

Exchange money up to 20p for an equivalent amount in other denominations:

- Solve simple problems involving money
- Find different combinations of coins that equal the same amounts of money

Add up to 20 coins:

- Solve practically simple problems involving addition of money
- Begin to solve practically simple problems of money, including giving change

Appreciate the purchasing power of amounts of money (coins):

- Begin to understand the value of items eg could I buy a can of drink with £2?

Convert from pence to pounds and vice versa:

- Know there are 100p in £1

MEASURING SPACE

Compare lengths, heights, weights and capacities/ Describe capacity in fractions:

- Compare and order lengths using long/short, longer/shorter, tall/short, double/half
- Compare and order masses using heavy/light, heavier than, lighter than
- Compare and order capacities using full/empty, more than, less than, half, half full, quarter
- Select appropriate language when making comparisons

Give the length of a line drawn on a centimetre grid/ Measure or draw a length using a ruler:

- Measure length using appropriate equipment
- Measure a given distance choosing the appropriate equipment

Choose appropriate standard units of length, capacity and weight:

Key Words

Refer to

<http://studymaths.co.uk/glossary.php> for definitions of the key words

Money

Coin

Note

Change

Notation

Pounds (£)

Pence (p)

Measure

Length, height, distance

Mass, weight

Capacity, volume

Long, short, longer, shorter, tall, taller

Heavy, light, heavier, lighter

Full, empty, half full

More than, greater than, less than

Double, half, quarter

Ruler

Container

Order, Compare

Unit

Width, breadth

Capacity, volume

Metre, centimetre

Gram, kilogram

Litre, millilitre

Degrees Celsius

Ruler, metre stick, tape measure

Scale, scales

Container, vessel

Greater than, less than

Notation

Abbreviations of units: m, cm, g, kg, l, ml,

The symbols >, < and =

- Choose appropriate units to measure a given length
- Choose appropriate units to measure a given height
- Choose appropriate units to measure a given mass
- Choose appropriate units to measure a given capacity

Compare and order lengths, capacities and weights in the same units:

- Compare and order lengths
- Compare and order masses
- Compare and order capacities
- Compare and order measurements using $>$, $<$ and $=$

Select a possible length, capacity or weight for a given item:

- Measure mass using appropriate equipment
- Measure capacity using appropriate equipment
- Measure a given mass choosing the appropriate equipment
- Measure a given capacity choosing the appropriate equipment

Estimate the weight, capacity or length of given items:

- Estimate a given distance
- Estimate a given mass
- Estimate a given capacity

Research	
Note-making	
Group work & discussion	
Memorisation	
Precision & accuracy	
Independence	
Reflection	

Suggested reading or support/ challenge available

www.mymaths.co.uk

login: penryn

password: octagon

Times table rockstars

login: first name

password: penryn

www.hegartymaths.com

Go to student login at the top... find your school, enter your details and then set up your password...

vle.mathswatch.co.uk/vle/

username:

school username@penryn-college

password: Penryn2016

Cross curricular

NAC:

Science – Measure and read scales using appropriate units and accuracy. Convert one metric unit to another. Use metric units of length, capacity, mass and time.

MFL - Know about metric/imperial equivalence of common units. Know about Euros.

Technology - Measure and read scales using appropriate units and accuracy.

Know about metric/imperial equivalence of common units. Convert one metric unit to another. Use metric units of length, capacity and mass.

Business - Measure and read scales using appropriate units and accuracy.

Creative arts – Use metric units of length, capacity and mass.

PE - Use metric units of length, capacity and mass.