

Sea and Learn – Lesson Plan: Dockyard Maties

Key Stage: Two

National Curriculum Links: Ma2 1a, 3a, 4a

Main Subject Focus: Mathematics

Learning Outcomes:

Children will:

- Be able to use all four operations to solve word problems involving money
- Be able to convert from pre-decimal currency into decimal currency

Resources Required:

- 'I have, who has?' cards
- Whiteboard and pens
- Paper Trimmer
- Calculators

Lesson Structure:

1. Begin by playing warm-up game using the 'I have, who has?' cards (See Activity 1)
2. Next tell the children about people who worked in the dockyard (maties) and discuss why there would be so many of them involved in building ships (See Teacher's Notes)
3. Now tell the children about the money earned by the dockyard maties and its equivalence with today's money. Illustrate on whiteboard.
4. Give each child Worksheet 1 and ask them to work in pairs to calculate the answers to questions 1 and 2 only.
5. Once every pair has completed questions 1 and 2, ask some pairs to show their methods of calculation. Ask other children to share their methods if they are different.
6. Ask each pair to complete the rest of the worksheet. Set a time limit for the completion of the final questions.
7. Once again, ask the children to share their calculation methods, including any difficulties they encountered. Make sure that children are happy with the methods you have demonstrated.
8. Play a second game of 'I have, who has?' using Activity 2. This is linked to the pre-decimal money that the children have been working with.
9. Discuss whether the children think the dockyard maties were fairly paid. Discuss the physical nature and hazards of the jobs the dockyard maties had to do.

Extension/Homework ideas:

- Ask children to find out the wages of a dockyard worker today working out their weekly wage and comparing with the labourers wage in the 1900s.
- Ask the children to find out about some well-known pre-decimal British coins and their value today.
- Ask the children to find out the 'slang' names often given for pre-decimal coins.

Sea and Learn – Teacher’s Notes (1)

The Dockyard Maties

As the technology of ships has changed over time so have the jobs of the people that are involved in building ships. In the age of wooden ships craftsmen like shipwrights, sail makers, rope makers and riggers were working in the Dockyard. When steam powered ironclad ships like HMS Warrior were developed new jobs were created such as the boilermaker, blacksmith and engine fitter. Later on riveters, electricians, plumbers and welders were working in the Dockyard.

Information from: Portsmouth Historic Dockyard

Pre-Decimal Coinage in Britain

- Florin = 2 shillings
- Sovereign = 20 shillings
- Crown = 5 shillings
- Guinea = 21 shillings
- Threepence = 3d
- Farthing = 0.25d

Slang terminology for Pre-Decimal Coinage in Britain

- Shilling = Bob
- Pound = Quid
- Half a Crown = Half Dollar
- Sixpence = Tanner
- Silver Threepence = Joey

Sea and Learn – Activity (1)**'I have, Who has?' Cards**

I have 201p Who has 600p?	I have £6.00 Who has 95p?	I have £0.95 Who has 118p?
I have £1.18 Who has £4.44?	I have 444p Who has £2.95?	I have 295p Who has 395p?
I have £3.95 Who has £5?	I have 500p Who has 15p?	I have £0.15 Who has £7.50?
I have 750p Who has £2.77?	I have 277p Who has £1.11?	I have 111p Who has £1.01p?
I have 101p Who has 400p?	I have £4 Who has £3.33?	I have 333p Who has £5.10?
I have 510p Who has 30p?	I have £0.30 Who has £0.65?	I have 65p Who has £1.00?
I have 100p Who has £1.25?	I have 125p Who has £0.50?	I have 50p Who has 1p?
I have £0.01 Who has £2?	I have 200p Who has £3.50?	I have 350p Who has 75p?
I have £0.75 Who has £4.80?	I have 480p Who has 70p?	I have £0.70 Who has £2.25?
I have 225p Who has 55p?	I have £0.55 Who has £3.60?	I have 360p Who has 300p?
I have £3.00 Who has 20p?	I have £0.20 Who has 85p?	I have £0.85 Who has 115p?
I have £1.15 Who has £0.45?	I have 45p Who has £1.60?	I have 160p Who has £2.01?

Sea and Learn – Worksheet (1)

In 1900, a Dockyard Labourer earned about 23 shillings (£1.15) a week.

There were 12d (old pence) in a shilling. A shilling was equal to 5p.

Weekly living costs were as follows:

Food:	9 shillings (husband & wife) 4 shillings (children)
Rent:	1 shilling
Fuel & lighting:	1 shilling
Clothing:	6d to 1 shilling
Sundries:	3d



Image courtesy of Portsmouth Historic Dockyard

1. How much money was left over after all the weekly living costs in a family with 5 children?
2. What was the yearly salary of a Dockyard Labourer if the weekly wage was 23 shillings (£1.15)?
3. If the Labourer had 2 weeks holiday and a week off sick how much would his yearly salary be?
4. How much would his weekly wages be then?
5. The labourer's salary will increase by 10% every year if he works hard.

How much will he earn during year 2?

How much will he earn during year 3?

How much will he earn during year 5?

Sea and Learn – Activity (2)**'I have, Who has?' Cards**

I have 3 shillings Who has 65p?	I have 13 shillings Who has 10p?	I have 2 shillings Who has 100p?
I have 20 shillings Who has 70p?	I have 14 shillings Who has 35p?	I have 7 shillings Who has 105p?
I have 21 shillings Who has 25p?	I have 5 shillings Who has 40p?	I have 8 shillings Who has 140p?
I have 28 shillings Who has 45p?	I have 9 shillings Who has 110p?	I have 22 shillings Who has 30p?
I have 6 shillings Who has 200p?	I have 40 shillings Who has 85p?	I have 17 shillings Who has 20p?
I have 4 shillings Who has 90p?	I have 18 shillings Who has 5p?	I have 1 shilling Who has 50p?
I have 10 shillings Who has 135p?	I have 27 shillings Who has 55p?	I have 11 shillings Who has 80p?
I have 16 shillings Who has 150p?	I have 30 shillings Who has 115p	I have 23 shillings Who has 125p?
I have 25 shillings Who has 300p?	I have 60 shillings Who has 205p?	I have 41 shillings Who has 170p?
I have 34 shillings Who has 155p?	I have 31 shillings Who has 6d(old pence)?	I have ½ shilling Who has 145p?
I have 29 shillings Who has 160p?	I have 32 shillings Who has 195p?	I have 39 shillings Who has 500p?
I have 100 shillings Who has 250p?	I have 50 shillings Who has 235p?	I have 47 shillings Who has 15p