Maths : Tuesday 28th April

Length:

L.O. I can measure length using millimetres.

Today you will need a ruler and these coins-

1) Using your ruler measure the diameter (that's the width across the widest part) of the coins accurately and write your answer to the nearest mm.

Coin	Diameter (to the nearest mm)
1p	
2p	
5p	
10p	
20p	
50p	
£1	
£2	

Now use your measurements to answer the questions on the following sheets. Choose *   **   or ***.

*

1) What are the combined diameters of the following coins?

a) 20p + £1

b) 2p + £2

c) 50p + 10p + 5p

2) What is the difference in diameter between the following coins?

a) 20p and £2

b) 5p and £1

3) Use coins to make a total of 60p. Write down the coins you use and calculate their combined diameter.

* *

1) What are the combined diameters of the following coins?

   a) 50p + £1

   b) 2p + £2 + 20p

   c) 50p + 10p + 5p +£1

2) Which set of coins has the greatest combined diameter and by how much?

   a) Set 1: 50p and 20p
      Set 2: £2 and 2p

   b) Set 1: 5p and £1
      Set 2: 10p and 50p

3) Use coins (more than 2, less than 6) to make a total of £1.
    Write down the coins you use and calculate their combined diameter.

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1) What are the combined diameters of the following coins?

a) 10p + £1

b) £1 + £2 + 20p

c) 50p + 20p + 5p + £2

2) Which set of coins has the greatest combined diameter and by how much?

a) Set 1: 50p, 5p and 20p
   Set 2: £2 and 1p

b) Set 1: 10p, £2 and 20p
   Set 2: 5p, £1 and 20p

3) Make 2 different combinations of coins where the combined diameters are 71mm. (You are allowed to use a coin more than once in a combination.)