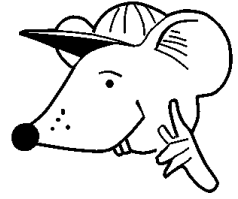


# MATHEMATICS



**Y2 Measurement**  
**2570**

**Solve problems involving money**

## Equipment

Paper, pencil, ruler  
Coins are very useful.

# MathSphere

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## Concepts

The year 2 work builds on the experiences encountered in year 1. Children should continue to use real or plastic coins in practical contexts, setting up a shop, paying and giving change from small amounts e.g. 4p change from 10p.

All coins up to £1 are introduced during year 2 and children should be able to give change from amounts up to 20p.

When using the worksheets it is advisable to have real coins or plastic coins to place over the printed versions so that children can pick up the coins as they count.

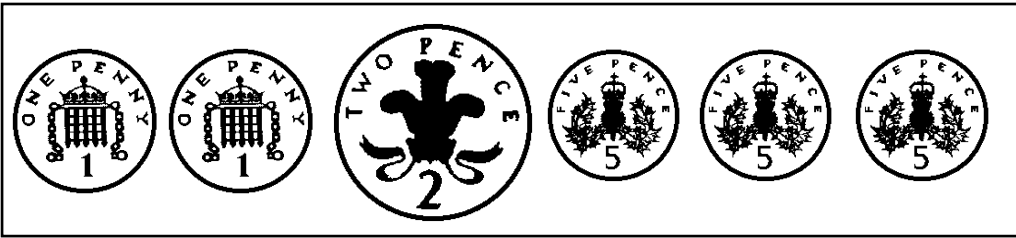
When counting a number of coins it should be emphasised that it is easier to start with the largest coins and work down to the smallest - this is not necessarily the way the coins have been set out on paper.

The decimal point is introduced to separate whole pounds from pence and amounts can be converted from pounds to pence and vice versa.

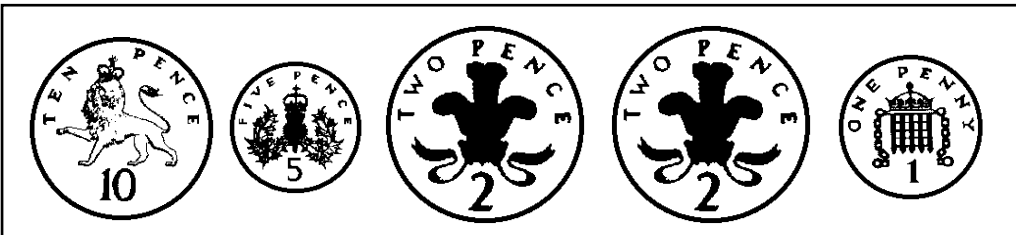
During more open ended exercises, such as finding all the possible amounts if three coins out of four are taken, checking for repeat answers should be encouraged. The children could also be shown how to work in a systematic way e.g. all the possibilities which have a 2p piece in them etc.

How much?

1.



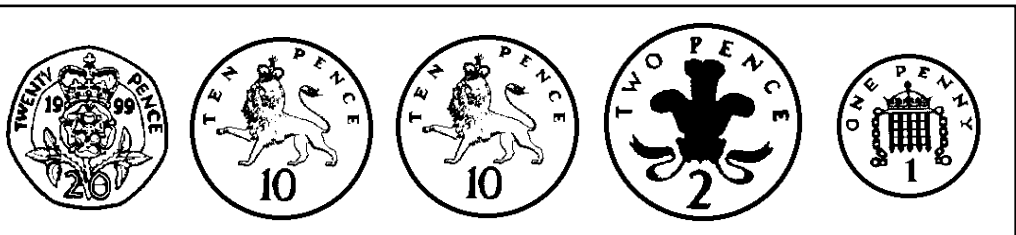
2.



3.



4.



5.

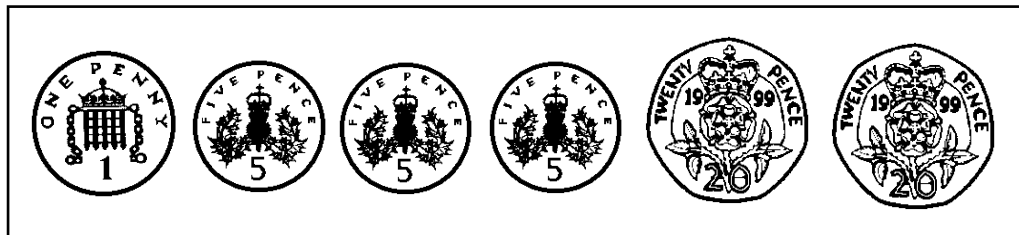


How much?

1.



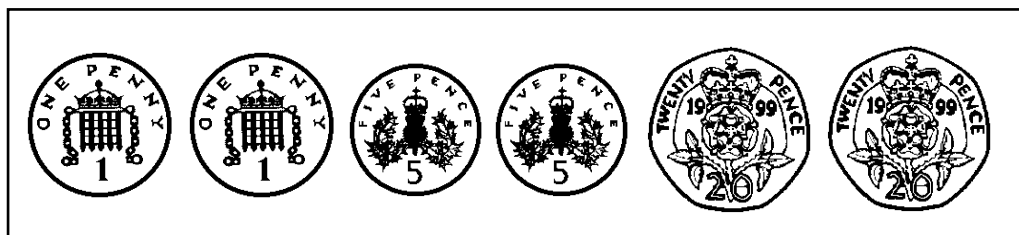
2.



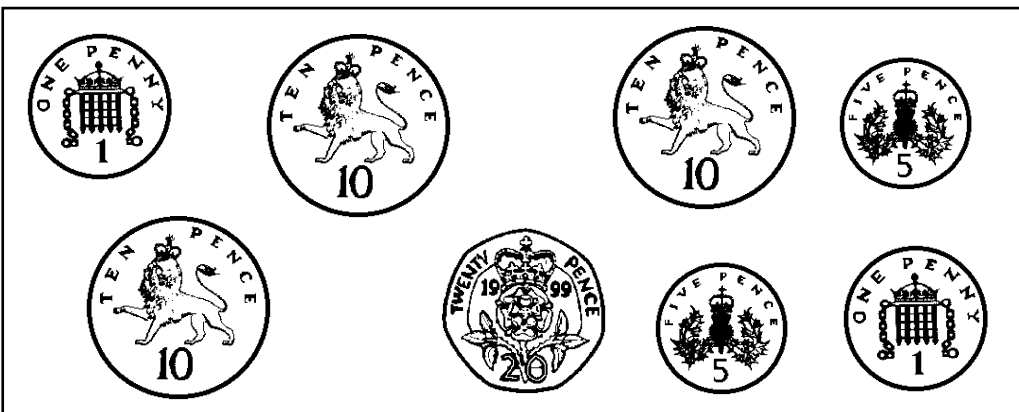
3.



4.



5.



How much?

a

ONE PENNY 1  
ONE PENNY 1  
ONE PENNY 1  
ONE PENNY 1  
TEN PENCE 10  
TEN PENCE 10  
ONE PENNY 1  
ONE PENNY 1  
ONE PENNY 1

b

TWO PENCE 2  
TWO PENCE 2  
FIVE PENCE 5  
TWO PENCE 2  
FIVE PENCE 5  
FIVE PENCE 5  
TWO PENCE 2  
FIVE PENCE 5

c

ONE PENNY 1  
TEN PENCE 10  
ONE PENNY 1  
TEN PENCE 10  
TEN PENCE 10  
TEN PENCE 10  
ONE PENNY 1  
TEN PENCE 10  
ONE PENNY 1

d

TWENTY PENCE 20  
FIVE PENCE 5  
TWENTY PENCE 20  
FIVE PENCE 5  
FIVE PENCE 5  
FIVE PENCE 5

How much?

a

10p, 1p, 1p, 1p, 10p, 10p

b

2p, 5p, 5p, 5p, 2p, 2p

c

5p, 20p, 5p, 5p, 20p, 20p

d

10p, 2p, 1p, 2p, 1p, 20p

Money.

What total amounts can I make with any two of these coins?



Write your answers in the shapes below.  
(You can have the same coin twice.)

p

p

p

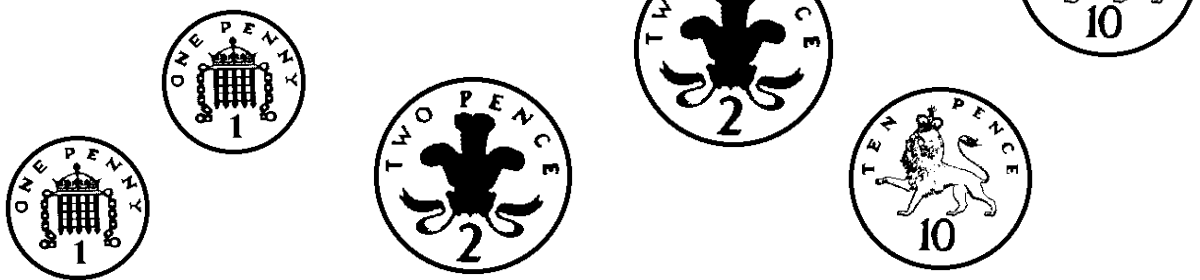
p

p

p

Money.

What total amounts can I make with any two of these coins?



Write your answers in the shapes below.  
Remember: you can use the same value coin twice.

p

p

p

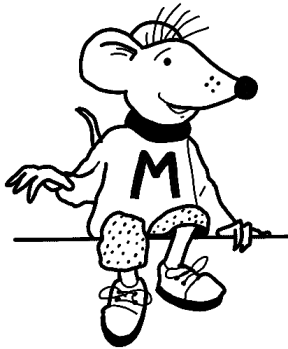
p

p

p



Money.



I have got three coins out of the coins shown below.  
How much might I have?

Put all the possible answers in the shapes below. You may not be able to use them all.



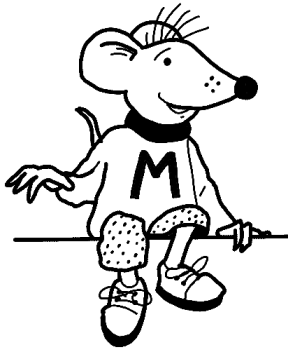
○ p

○ p

○ p

○ p

Money.



Now I have got three out of these coins.  
How much might I have?

Put all the possible answers in the shapes below.



○ p

○ p

○ p

○ p

Money.



I've got 3 of these coins.

How much could I have?

Put all the possible answers in the shapes below.



p

p

p

p

p

p

Money.



I've got 3 of these coins.

How much could I have?

Put all the possible answers in the shapes below.



○ p

○ p

○ p

○ p

○ p

○ p

○ p

○ p

○ p

○ p

Change from 20p

If I spend these amounts, how much change will I get from 20p?



1. 2p

 p

2. 14p

 p

3. 5p

 p

4. 13p

 p

5. 19p

 p

6. 6p

 p

7. 1p

 p

8. 15p

 p

9. 7p

 p

10. 20p

 p

Change from 20p

If I spend these amounts, how much change will I get from 20p?



1. 3p

 p

2. 18p

 p

3. 0p

 p

4. 12p

 p

5. 8p

 p

6. 11p

 p

7. 10p

 p

8. 14p

 p

9. 16p

 p

10. 9p

 p

Writing in pounds and pence

Above is one pound and twenty five pence. This can be written like this:

£1.25

The decimal point separates the pounds from the pence.

Write these amounts:

1.



£

2.



£

3.



£




4.









£

Writing in pounds and pence

Write these amounts as pounds:

1.   

2.   

3.   




4.  




5.  









Writing in pence




Write these amounts as pence:

1.   

2.   

3.   

4.   

5.   

Writing in pence

Write these amounts in pence:

1. £1.55 =  p

2. £1.10 =  p

3. £1.40 =  p

4. £1.07 =  p

5. £1.24 =  p

6. £1.21 =  p

7. £1.30 =  p

8. £1.90 =  p

9. £1.80 =  p

10. £1.03 =  p

11. £1.20 =  p

12. £1.66 =  p

Writing in pence

Write these amounts in pence:

1. £1.45 =  p

2. £1.00 =  p

3. £1.70 =  p

4. £1.08 =  p

5. £1.34 =  p

6. £1.01 =  p

7. £1.10 =  p

8. £1.33 =  p

9. £1.70 =  p

10. £1.02 =  p

11. £1.50 =  p

12. £1.44 =  p

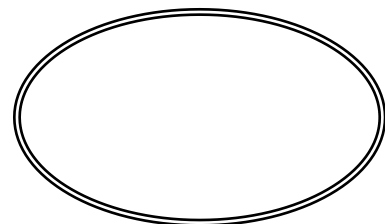
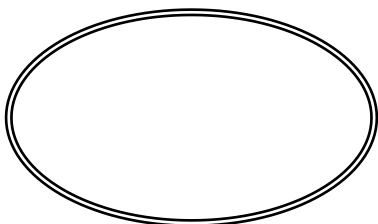
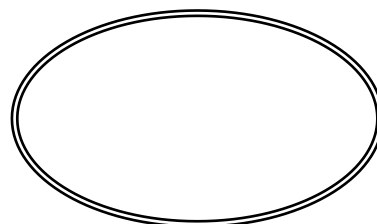
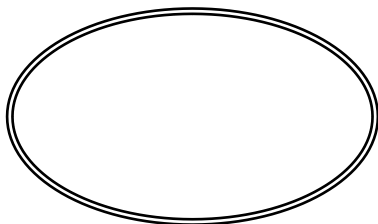
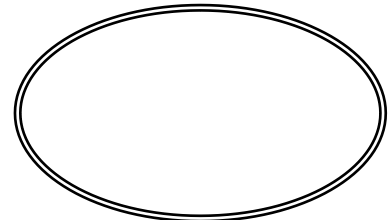
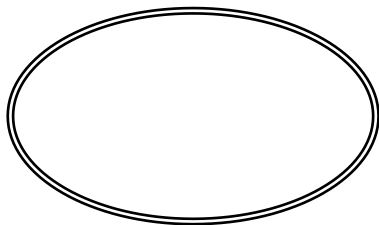
How much ?



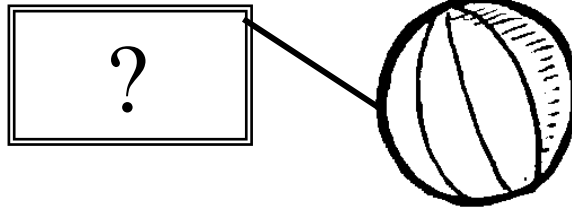
You have these coins in your pocket:



You use **two** of the coins to buy the teddy.  
What might the teddy cost?



How much ?

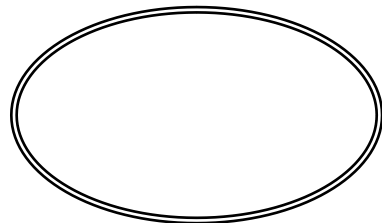
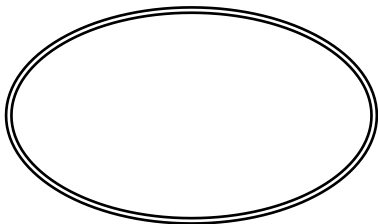
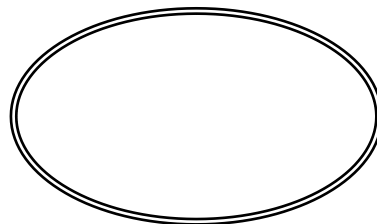
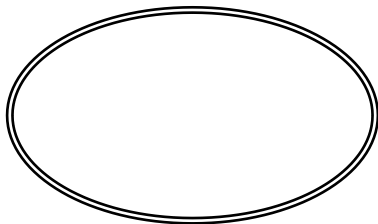
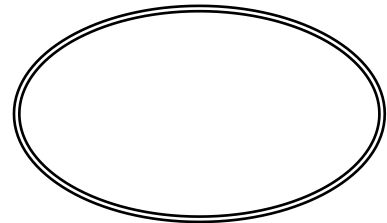
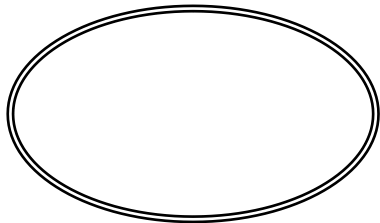


You have these coins in your pocket:



You use **two** of the coins to buy the ball.

What might the ball cost?



Answers**Page 3**

1. 19p      2. 20p      3. 37p      4. 43p      5. 60p

**Page 4**

1. 38p      2. 56p      3. 62p      4. 52p      5. 62p

**Page 5**

a 26p      b. 28p      c. 44p      d. 80p

**Page 6**

a 46p      b. 28p      c. 95p      d. 37p

**Page 7**

Totals are: 2p    3p    4p    6p    7p    10p

**Page 8**

Totals are: 2p    3p    4p    11p    12p    20p

**Page 9**

Totals are: 8p    13p    16p    17p

**Page 10**

Totals are: 16p    26p    31p    35p

**Page 11**

Totals are: 7p    11p    12p    15p    16p    20p

**Page 12**

Totals are: 8p    13p    16p    17p    23p    26p    27p    31p    32p    35p

**Page 13**

1. 18p    2. 6p    3. 15p    4. 7p    5. 1p    6. 14p    7. 19p    8. 5p    9. 13p    10. 0p

**Page 14**

1. 17p    2. 2p    3. 20p    4. 8p    5. 12p    6. 9p    7. 10p    8. 6p    9. 4p    10. 11p

**Page 15**

1. £1.15      2. £1.55      3. £1.11      4. £1.52

**Page 16**

1. £1.12      2. £1.21      3. £1.55      4. £1.50      5. £1.20

Answers**Page 17**

1. 122p    2. 111p    3. 155p    4. 151p    5. 121p

**Page 18**1. 155p    2. 110p    3. 140p    4. 107p    5. 124p    6. 121p  
7. 130p    8. 190p    9. 180p    10. 103p    11. 120p    12. 166p**Page 19**1. 145p    2. 100p    3. 170p    4. 108p    5. 134p    6. 101p  
7. 110p    8. 133p    9. 170p    10. 102p    11. 150p    12. 144p**Page 20**

The teddy could cost; 21p,    51p,    £1.01,    70p,    £1.20    £1.50

**Page 21**

The ball could cost; 15p,    55p,    £1.05,    60p,    £1.10,    £1.50