

Year 4 Maths 30th April

LO: Order amounts of money

- ▶ SOME WILL EVEN find every possible answer to a problem solving question (dive deeper)
- ▶ SOME will solve problems involving money by following a set of clues (3 chillies)
- ▶ MOST will order amounts of money using symbols $<$ $>$ $=$
- ▶ ALL will identify the value of each digit in amounts of money

RECALL

- 1) Write $\frac{1}{2}$ as a decimal.
- 2) Compare the decimals using $<$, $>$ or $=$
 $0.82 \bigcirc 0.76$
- 3) Calculate $83 \div 100$
- 4) What is 973 divided by 7?

RECALL answers

- 1) Write $\frac{1}{2}$ as a decimal. **0.5**
- 2) Compare the decimals using $<$, $>$ or $=$
 0.82 **$>$** 0.76
- 3) Calculate $83 \div 100$ **0.83**
- 4) What is 973 divided by 7? **139**

Guided practice

Yesterday we looked at the connection between pounds and pence.

1p is a hundred times smaller than a pound. It is a hundredth of a pound.

$$100\text{p} = \text{£}1$$

To convert from pounds to pence, we multiply by 100.

To convert from pence to pounds, we divide by 100.

$$\text{£}1 \text{  = 100 \text{ p } \text{ $$

$$1\text{p} = \text{one hundredth of } \text{£}1 = \text{£}0.01$$

$$\div 100$$



$$100 \text{ p} = \text{£}1$$



$$\times 100$$

Use the rule of dividing or multiplying by 100 to answer these questions.

$$\begin{array}{c} \div 100 \\ \hline 100 \text{ p} = \text{£}1 \\ \hline \leftarrow \\ \times 100 \end{array}$$

$$\text{£}6 = \text{---- p}$$

$$\text{£}6.07 = \text{---- p}$$

$$\text{---- p} = \text{£}16.71$$

$$\underline{\quad\quad\quad} \text{p} = \text{£}\text{----}$$

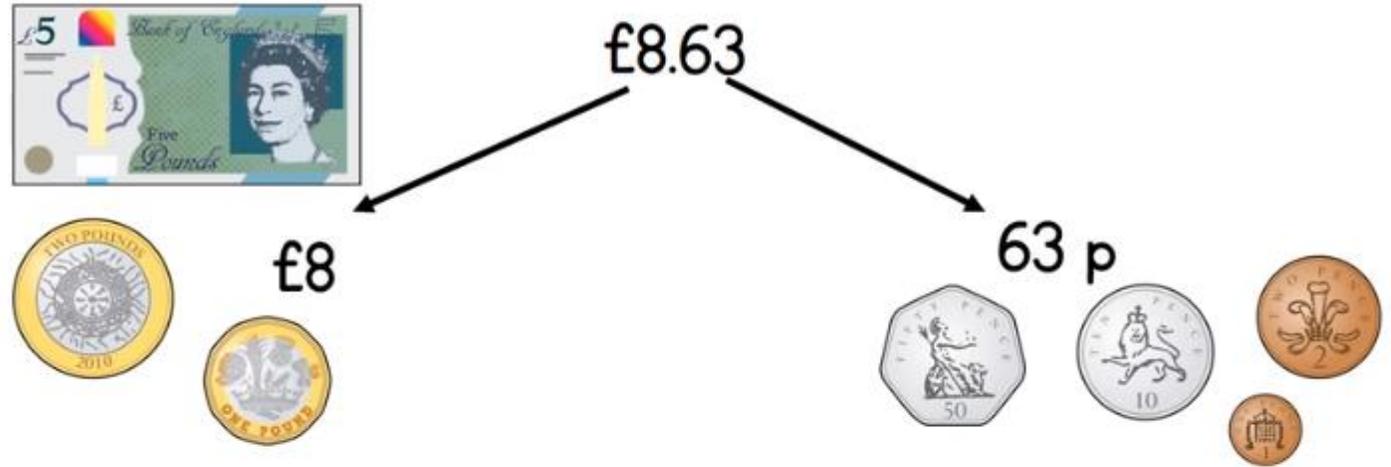
$$£6 = \underline{\quad\quad} \text{ p}$$

$$£6.07 = \underline{\quad\quad} \text{ p}$$

$$\underline{\quad\quad} \text{ p} = £16.71$$

$$\underline{\quad\quad} \text{ p} = £\underline{\quad\quad}$$

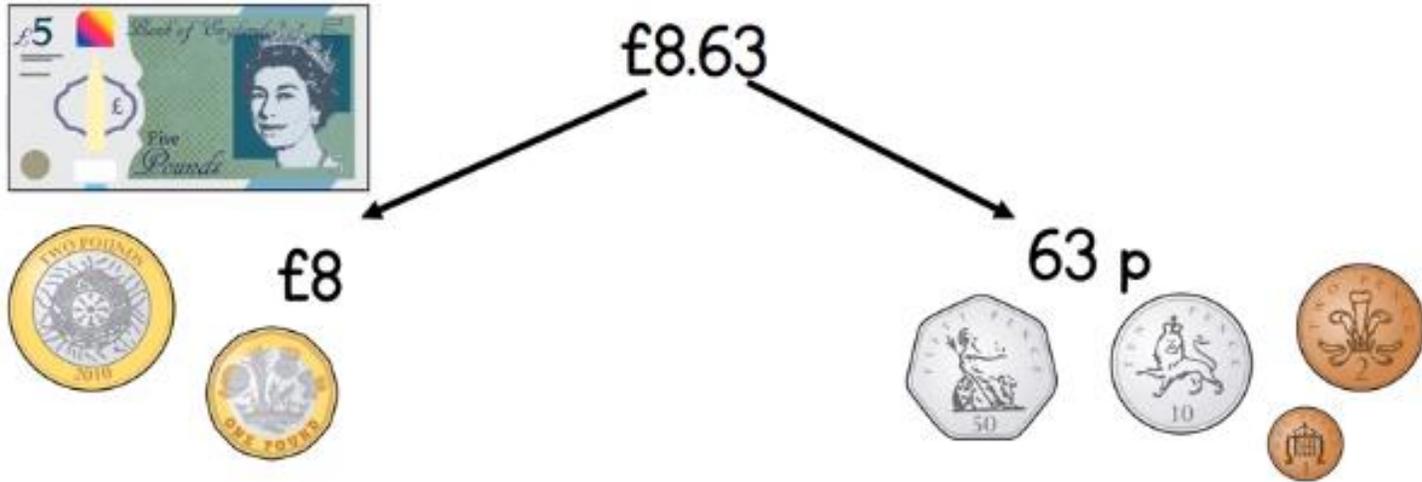
Now try this. What is each digit worth in this amount of money? Remember to give your answers in money.



The value of the 8 is ____

The value of the 6 is ____

The value of the 3 is ____



The value of the 8 is £8

The value of the 6 is 60 p

The value of the 3 is 3 p

- ▶ For today's activities you will need to use these symbols and vocabulary:

- ▶ smaller < bigger

- bigger > smaller

- ▶ **ASCENDING** order: going up / getting bigger

- ▶ **DESCENDING** order: going down / getting smaller

- ▶ Now that we know how to write amounts of money, convert from pounds to pence, convert from pence to pounds and find the value of each digit, we can compare money!

INTELLIGENT PRACTICE

One chilli

What is the value of the digit 2 in these amounts?

a) 524p _____

b) £24 and 50p _____

c) £54.02 _____

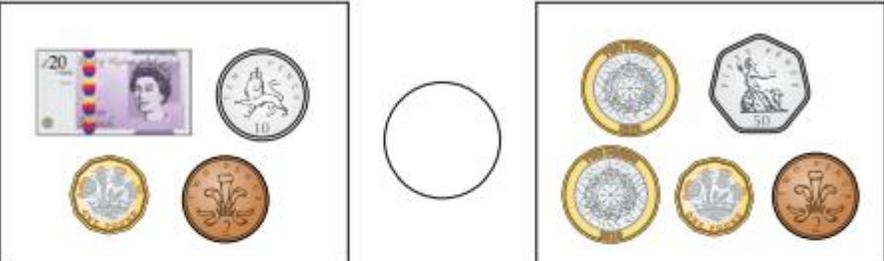
d) 5,240p _____

e) £42.54 _____

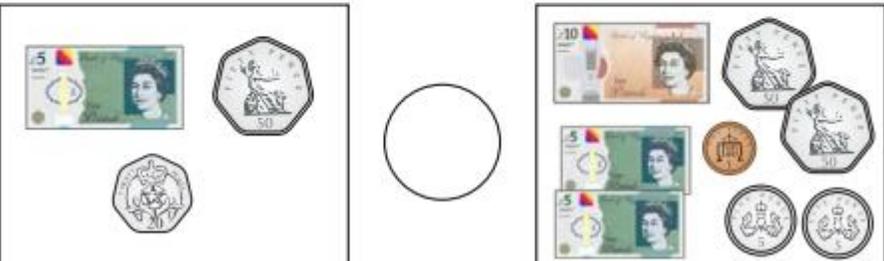
f) 2,544p _____

Write $<$, $>$ or $=$ to compare each pair of amounts.

a)



b)



c) How did you compare the amounts?

INTELLIGENT PRACTICE

One chilli - answers

What is the value of the digit 2 in these amounts?

a) 524p 20p

b) £24 and 50p £20

c) £54.02 2p

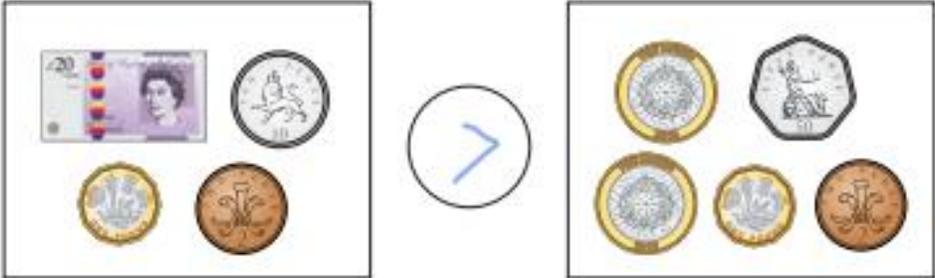
d) 5,240p £2

e) £42.54 £2

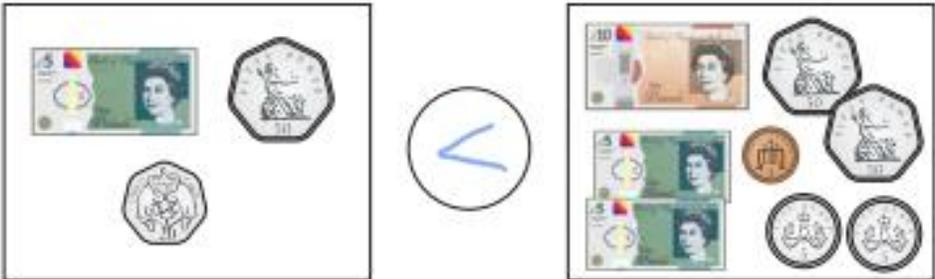
f) 2,544p £20

Write <, > or = to compare each pair of amounts.

a)



b)



Two chillies

Write $<$, $>$ or $=$ to compare the amounts.

- a) 743p 734p d) £40.07 4,003p
- b) £37.40 £37.04 e) 4,037p £40.37
- c) £3.74 734p f) 7,304p £73.40

a) Write the amounts in ascending order.

270p 2,007p 2,700p 720p 7,020p

b) Write the amounts in descending order.

£4.65 £46.50 £6.45 £45.60 £46.05

c) Write the amounts in ascending order.

£21.89 1,289p 8,291p £82.19 9,128p

d) Write the amounts in descending order.

£5.05 550p 5,500p £50.50 £55.05

Two chillies answers

Write $<$, $>$ or $=$ to compare the amounts.

- a) 743p $>$ 734p d) £40.07 $>$ 4,003p
- b) £37.40 $>$ £37.04 e) 4,037p $=$ £40.37
- c) £3.74 $<$ 734p f) 7,304p $<$ £73.40

a) Write the amounts in ascending order.

270p 2,007p 2,700p 720p 7,020p

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b) Write the amounts in descending order.

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£21.89 1,289p 8,291p £82.19 9,128p

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d) Write the amounts in descending order.

£5.05 550p 5,500p £50.50 £55.05

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Three chillies

Huan has three different silver coins in his hand.

What amounts could he have?

Write them in ascending order.

Three chillies answer

Huan has three different silver coins in his hand.

What amounts could he have?

Write them in ascending order.

35p 65p 75p 80p

Dive deeper

Teddy has £6.55 and Annie has 673p.

Dexter has more money than Teddy, but less than Annie.

I only have one copper coin.

Dexter



a) How much money could Dexter have?

£

b) What different amounts can you find?

What could the missing amount of money be?

$$369\text{p} < \text{£} \begin{array}{|c|} \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \end{array} . \begin{array}{|c|} \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \end{array} < \text{£}16.63$$

Use the digit cards to complete the inequality.

1

3

6

9

0

Use each digit card once only.

You do not need to use every card.

How many different answers can you find?

Dive deeper answers

£6.57, £6.61, £6.62, £6.66,
£6.67, £6.71, £6.72

£10.36
£10.39
£10.63
£10.69
£13.60
£13.69
£13.96
£16.03
£16.09
£16.30
£16.39

Notice how I put my answers in ascending order. This helped me to make sure that I had every possibility.

Teddy has £6.55 and Annie has 673p.

Dexter has more money than Teddy, but less than Annie.

I only have one copper coin.

Dexter



a) How much money could Dexter have?

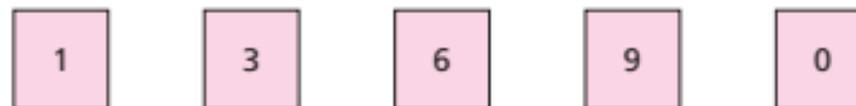
e.g. £

b) What different amounts can you find?

What could the missing amount of money be?

e.g. 369p < £ . < £16.63

Use the digit cards to complete the inequality.



Use each digit card once only.

You do not need to use every card.

Self assessment - how did you do?

- ▶ SOME WILL EVEN find every possible answer to a problem solving question (dive deeper)
- ▶ SOME will solve problems involving money by following a set of clues (3 chillies)
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- ▶ ALL will identify the value of each digit in amounts of money