

10th February 2021

Sunday, January 31, 2021 9:41 AM

Today, you are going to use your knowledge of decimal numbers to solve money worded problems!

10.02.20

TBQ: Can I solve money worded problems?

|  STEPS TO SUCCESS |
|--|
| <p>I understand the value of the digits, including those within a decimal number.</p> <p>I can add and subtract money using the column method.</p> <p>I can check my answers using the inverse.</p> <p>I can round the values in the question to make a sensible estimate.</p> |

Key Vocabulary

tenth

hundredth

decimal point

whole number

money

Counting

Count forwards in 9's from -18

What patterns can you see?

Try to use the year 5 vocabulary to help you create accurate sentences!

5 Minute Challenge

$$36540 + 29105 =$$

What are the factors of 12?

Round 6.021 to the nearest hundredth.

$$360 \times 25 =$$

$$10^3 =$$



Starter

Microsoft Stream

Wednesday Improper to Mixed

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Convert the following improper fractions to a Mixed fraction.

Starter

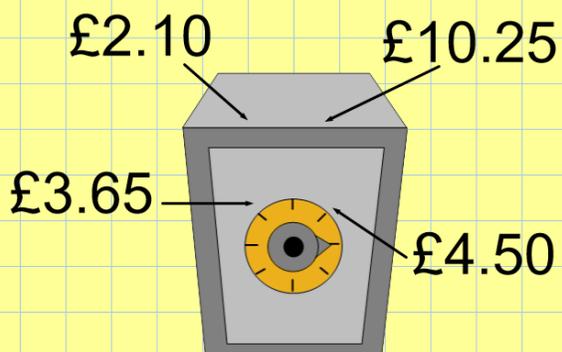
$$\frac{10}{7}$$

$$\frac{8}{5}$$

$$\frac{21}{15}$$

Activity 1

What is the total of the money in the safe?



Activity 2

Tom and Sian buy two pens, a new ruler and 3 high lighters for their teacher. How much did they spend?

| | |
|---------------|-------|
| Pen | £1.20 |
| Ruler | £1.25 |
| High lighters | £1.15 |

Reasoning Rex

Rex goes to the cinema and buys two adult tickets and one child ticket. Identify Rex's mistake and explain how he should accurately work out the cost.

Reasoning



$$\begin{array}{r}
 2.60 \\
 + 1.50 \\
 + 1.50 \\
 \hline
 5.60
 \end{array}$$

| | |
|-------|-------|
| Adult | £2.60 |
| Child | £1.50 |

Chilli Challenges

Mild

- Lewis went to the shop and bought a magazine for £3.80, and some biscuits at £3.50. How much does he spend altogether?
- Mia just loves swimming, and she bought some new goggles at £7.40. When she took them to the till, they came up at half price. How much did Mia's swimming goggles cost?
- A One Direction CD costs £8.40, whilst Little Mix's CD costs £5.70. How much more does One Direction's CD cost?
- Josh paid £6.10 for 2 pairs of new football socks. How much does each pair cost?
- Train tickets from Nottingham to Birmingham cost £11.20 for a single journey. How much would a return journey ticket cost?

6. Miss Mitchell bought 3 bags of sweets to fill up Class 4's sweetie tin!

Each bag cost £2.30. How much did Miss Mitchell spend on sweets?

Hot

1. Lewis went to the shop and bought a magazine for £3.80, and 2 packets of biscuits at £2.50 each. How much does he spend altogether?
2. Mia just loves swimming, and she bought some new goggles at £9.70. When she took them to the till, they came up at half price. How much did Mia's swimming goggles cost?
3. A One Direction CD costs £10.40, whilst Little Mix's CD costs £7.75. How much more does One Direction's CD cost?
4. Josh paid £8.70 for 2 pairs of new football socks. How much does each pair cost?
5. Train tickets from Nottingham to Birmingham cost £11.20 for a single journey.
 - How much would a return journey ticket cost?
 - How much would it cost for 2 return tickets?
6. Miss Mitchell bought 3 bags of sweets and 1 packet of lollies to fill up Class 4's sweetie tin! The bags cost £2.35, and the lollies cost £1.20. How much did Miss Mitchell spend altogether?

Flaming Hot

1. Mia just loves swimming, and she bought some new goggles at £9.70, and a swimming hat for £2.55. When she took them to the till, the goggles were half price. How much did Mia's swimming goggles and hat cost?
2. Josh paid £8.70 for 2 pairs of new football socks.
 - How much does each pair cost?
 - How many pairs of socks could Josh buy if he had a £20 note?

3. Adult train tickets from Nottingham to Birmingham cost £11.20 for a single journey. Children's tickets cost £8.40.
 - How much would an adult's return journey ticket cost?
 - How much would it cost for 1 single adult, and 2 single children's tickets?

4. Miss Mitchell bought 3 bags of sweets and 1 packet of lollies to fill up Class 4's sweetie tin! The bags cost £2.36, and the lollies cost £1.26. How much did Miss Mitchell spend altogether?

5. A child's ticket to the cinema costs £6.65, whilst an adult's costs £9.75.
 - How much more does an adult ticket cost?
 - How much would it cost for 2 adults and 2 children to go to the cinema?

6. Hannah went shopping with £15.10; she spent half of her money on a pair of sunglasses.
 - How much money did she have left?
 - She then bought some flip flops for £3.45. How much money did she come home with?