

Year 3 Maths 20.1.21 – Gold challenge

Adding Money

Adding Money

7a. Add two amounts together to make a total less than £13.

- |   |   |
|---|---|
| A. Three 50p coins<br>Seven 1p coins<br>Three £1 coins<br>One 2p coin | D. <b>£10 and 82p</b>                               |
| B. <b>794p</b>  | E. Eight 20p coins<br>One 50p coin<br>Nine 1p coins |
| C. Twenty-four 2p coins<br>One £5 note<br>Nine 20p coins              | F. <b>£6 and 51p</b>                                |

★ Find at least four possibilities. PS

7b. Add two amounts together to make a total more than £17.

- |   |  |
|---|--|
| A. <b>803p</b>  | D. Seven 5p coins<br>One 2p coin<br>Eighteen 50p coins<br>Two £2 coins |
| B. Four £1 coins<br>Nine 1p coins<br>Six 20p coins<br>Three 50p coins | E. <b>£9 and 37p</b>   |
| C. <b>£12 and 68p</b>   | F. <b>211p</b>   |

★ Find at least four possibilities. PS

8a. Hugo has made £15 and 15p below by adding two amounts of money together.

$577p + £9 \text{ and } 38p = £15 \text{ and } 15p$



I used 16 coins and 2 notes.

Find another way he could make £15 and 15p by adding two amounts together, using an even amount of coins between 10 and 20 and an odd amount of notes.

★ PS

8b. Jasmine has made £18 and 73p below by adding two amounts of money together.

$£12 \text{ and } 94p + 579p = £18 \text{ and } 73p$



I used 14 coins and 2 notes.

Find another way she could make £18 and 73p by adding two amounts together, using five times as many coins as notes.

★ PS

9a. Xander has used this bar model to represent an addition.

|   |      |
|---|------|
| Eight £1 coins<br>Seven 1p coins<br>Fifteen 20p coins |      |
| £3 and 73p  | 754p |

He thinks he has lost three coins which all have the same value. Do you agree? Explain your reasoning.

★ R

9b. Zoe has used this bar model to represent an addition.

|  |      |
|--|------|
| Three 1p coins<br>Two 2p coins<br>Eight £2 coins |      |
| £12 and 64p                                      | 398p |

She thinks she has lost a coin with an even value and a coin with an odd value. Do you agree? Explain your reasoning.

★ R

## Adding Money

**9a. Complete the addition represented on this number line.**

729p +  =

          

VF

**9b. Complete the addition represented on this number line.**

683p +  =

          

VF

**10a. Belinda says,**

I have 998p in my purse.

**Her friend gives her £4 and 56p more. How much does she have altogether?**

VF

**10b. Connor says,**

I have 776p in my purse.

**His friend gives him £5 and 87p more. How much does he have altogether?**

VF

**11a. Find the total amount of money in these two purses.**

|   |   |   |
|---|---|---|
| <p><u>Purse 1:</u></p> <p>Three 10p coins<br/>Two 1p coins<br/>Five 50p coins<br/>Two £5 notes<br/>Four 20p coins</p> | + | <p><u>Purse 2:</u></p> <p>Eight 2p coins<br/>Two £2 coins<br/>One 1p coin<br/>Three 20p coins<br/>One £1 coin</p> |
|---|---|---|

**Show your calculation.**

VF

**11b. Find the total amount of money in these two purses.**

|   |   |  |
|---|---|--|
| <p><u>Purse 1:</u></p> <p>Twenty-two 1p coins<br/>Three 10p coins<br/>Two 5p coins<br/>Seventeen 2p coins<br/>Seven 50p coins</p> | + | <p><u>Purse 2:</u></p> <p>Six 20p coins<br/>Nineteen 5p coins<br/>One £10 note<br/>One £1 coin<br/>Three 50p coins</p> |
|---|---|--|

**Show your calculation.**

VF

**12a. Complete these additions.**

A. 

|                 |
|-----------------|
| Eight 5p coins  |
| Three 50p coins |
| One £10 note    |

 + 

|                 |
|-----------------|
| Nine 1p coins   |
| Seven 50p coins |
| One 20p coin    |

B. 

|            |
|------------|
| £6 and 39p |
|------------|

 + 

|      |
|------|
| 563p |
|------|

VF

**12b. Complete these additions.**

A. 

|            |
|------------|
| £9 and 28p |
|------------|

 + 

|      |
|------|
| 763p |
|------|

B. 

|                 |
|-----------------|
| Twelve 5p coins |
| Six 2p coins    |
| Two £2 coins    |

 + 

|                   |
|-------------------|
| Nineteen 1p coins |
| One £5 note       |
| Four 50p coins    |

VF