Name:

Exam Style Questions

Money: Coins

Corbettmaths

Equipment needed: Calculator, pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 400a

Answers and Video Solutions

1. Nisha buys a drink for £2.10

She pays the exact amount with four coins.

List the coins that she used.

£1 , 50p , 50p , 10p

or

£1 , £1 , 5p , 5p

(2)

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2. Zander buys a book for £10.01

He pays the exact amount with one note and four coins.

List the note and coins that he used.

£5 note , £2 , £2 , £1 , 1p

(2)

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3. Jiyai has exactly 3 coins.

Circle any amounts below that she could have.

50p 5p 2p

55p ✗ | 56p (50p 5p 1p) | 57p | 58p ✗ | 59p ✗

(2)

4. Gerard bought a drink in a shop.

He pays with a £5 note and receives these coins as his change.

£2 £1 20p 1p

How much was the drink?

£3.21

£5.00 − £3.21 = £1.79

£1.79 ....

(3)

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5. Christie has three 50p coins, four 20p coins, one 10p coin and three 5p coins.

How much money does she have in total?

3 × 50p = £1.50
4 × 20p = £0.80
1 × 10p = £0.10
3 × 5p = £0.15
£2.55

£2.55 ....

(3)

6.

Lydia and Holly share the money equally.

List down the coins that Lydia could receive.

£6.70 ÷ 2 = £3.35

e.g. £2, £1, 20p, 10p, 5p

(2)

7. Reece bought a new bicycle for £335

He paid for the bicycle with £20, £10 and £5 notes.

Work out the smallest number of notes that he could have used.

16 × £20 = £320

1 × £10 = £10

1 × £5 = £5

+

18

18

(3)

8. Natalie pays for a snack in a vending machine.

The machine accepts £2, £1, 50p, 20p and 10p coins.

The snack cost £3.60 and Natalie paid the exact amount.
Natalie used five coins.

(a) Show how Natalie could have paid for the snack.

£2 £1 20p 20p 20p

or

£2 50p 50p 50p 10p

(2)

(b) Show a different way that Natalie could have paid for the snack.

.....

(2)

9. Teagan buys a sandwich and a drink for £7.24

She pays with a £10 note and receives exactly five coins change.

List the coins.

$$\begin{array}{r} 10.60 \\ -\ 7.24 \\ \hline 2.76 \end{array}$$

£2, 50p, 20p, 5p, 1p

(3)

10. Bobby has twelve 50p coins.

Trent gives Bobby six more coins.
All six coins have the same value.

The total value of the eighteen coins is £7.20

Write down the value of each coin that Trent gave Bobby.

$12 \times 50p = £6.00$

$$\begin{array}{r} 7.20 \\ -\ 6.00 \\ \hline 1.20 \end{array}$$

$$6\overline{)1.20} = 0.20$$

20p

(3)

11. Sarah has the same number of 2p coins as 5p coins.

Sarah has £1.96 in 2p coins.

How much money does Sarah have in total?

196 ÷ 2 = 98

98 × 5 = £4.90

$$\begin{array}{r} 4.90 \\ +\ 1.96 \\ \hline 6.86 \end{array}$$

£6.86

(3)

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12. Bernard has two bags containing coins, Bag 1 and Bag 2.

Bag 1 contains £6.05 in 5p coins.

Bag 2 contains three times as many coins as Bag 1
Bag 2 contains 2p coins

How much more money is in Bag 2 than Bag 1?

605 ÷ 5 = 121

121 × 3 = 363 coins

363 × 2 = £7.26

£7.26 − £6.05 = £1.21

£1.21

(4)

13. A 2p coin has a mass of 7 grams.

Find the total mass of £30 of 2p coins.

$3000 \div 2 = 1500$

$1500 \times 7 = 10500g$

10.5kg

.....

(3)

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14. Annika has some 10p, 20p and 50p coins
In total she has £72

She has £4 in 10p coins
Annika has three times as many 50p coins as 10p coins.

Work out the value of her 20p coins : value of her 50p coins

$400 \div 10 = 40$ (10p coins)

$40 \times 3 = 120$ (50p coins)

$120 \times 50p = 6000p$ (£60 in 50p coins)

$72 - 60 - 4 = 8$

8 : 60
4 : 30
2 : 15

2 : 15

.....

(5)

15. Cain has 50p coins and 20p coins in the ratio 7 : 3

Cain has £12 in 20p coins.

How much money does Cain have altogether?

1200 ÷ 20 = 60 (20p coins)

60 ÷ 3 = 20

20 × 7 = 140 (50p coins)

140 × 50p = £70

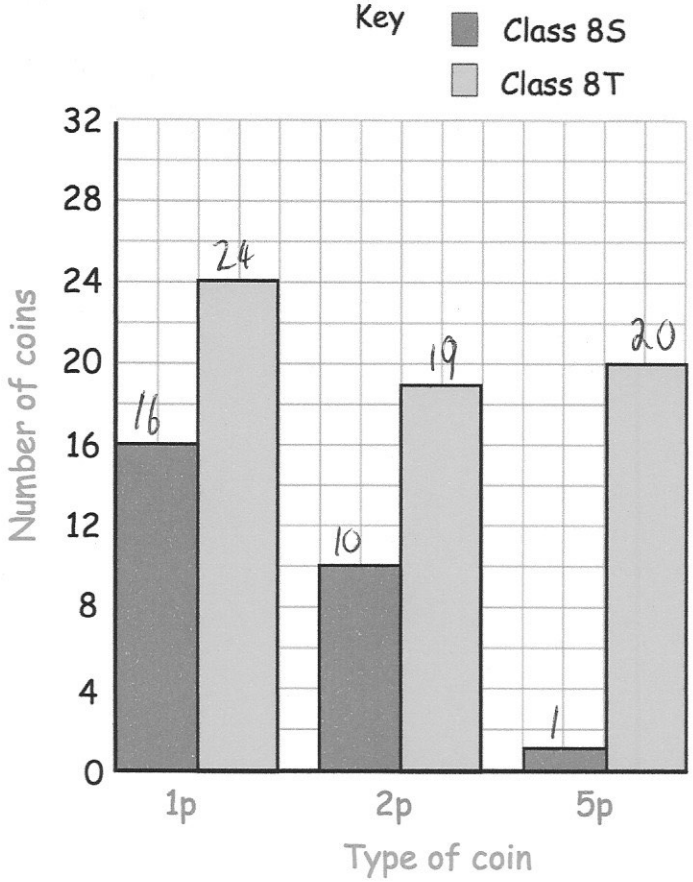
£70 + £12

£82

(4)

16. Two classes, 8S and 8T are asked to donate spare 1p, 2p and 5p coins to charity.

The chart below gives information about the coins donated by each class.



Work out how much more money was donated by class 8T than class 8S.

(8S)

16 × 1p = 16p

10 × 2p = 20p

1 × 5p = 5p

41p

(8T)

24 × 1p = 24p

19 × 2p = 38p

20 × 5p = 100p

£1.62

1.62 − 0.41 = £1.21

.....

(5)

17. Finn would like to change the coins in his coin jar into notes and coins.

There are two machines that he can use.

A machine in his local supermarket that will charge a 10% fee.
A machine in his bank that does not charge a fee.

Finn chooses to go to his bank.

After using the machine, he receives this print out.

Coin		Quantity	Value
£2	×	3	£6
£1	×	19	£19
50p	×	28	£14
20p	×	54	£10.80
10p	×	184	£18.40
5p	×	209	£10.45
2p	×	333	£6.66
1p	×	289	£2.89
			£88.20

Calculate how much money Finn saved by using the machine in the bank rather than the machine in the supermarket.

10% of £88.20 = £8.82

£8.82

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(5)