

Name:

Exam Style Questions

Money: Greatest Number



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 400Q



Answers and Video Solutions



1. A shop sells pencils for 40p each.



Work out the greatest number of pencils that can be bought with £3

40 80 120 160 200 240 280

or

$$40 \overline{) 300} \begin{array}{r} 007 \\ \underline{280} \\ 20 \end{array}$$

7

.....
(2)

2. A football costs £7.50



Work out the greatest number of footballs that can be bought with £40

7.50 15 22.50 30 37.50

N

$$7.50 \overline{) 40.00} \begin{array}{r} 0005 \\ \underline{37.50} \\ 2.50 \end{array}$$

5

.....
(2)

3. Florence has £5 to spend on rulers.
Each ruler costs 80p each.



Florence buys as many rulers as she can.

Work out how much money Florence will have left.

80
160
240
320
400
480

$$80 \overline{) 500} \begin{array}{r} 006 \\ \underline{480} \\ 20 \end{array}$$

20p

.....
(3)

4. A packet of noodles cost £1.40



Matt has £20 to spend.

Work out the greatest number of packets of noodles that Matt can buy.

$$20 \div 1.40 = 14.285714...$$

14

.....
(2)

5. A school can buy chairs for £24.79 each.



They have £1600 to spend on chairs.

(a) Work out the greatest number of chairs that can be bought.

$$1600 \div 24.79 = 64.54215409..$$

64

.....
(2)

(b) Work out how much money will be left.

$$64 \times \text{£}24.79 = \text{£}1586.56$$

$$1600 - 1586.56 = \text{£}13.44$$

£13.44

.....
(2)

8. Miss Kelly has £290 to spend calculators and protractors.



Calculators	£12.65 each
Protractors	£1.49 for 5

Miss Kelly plans to buy as many calculators as possible.
Then with her change, she plans to buy as many protractors as possible.

Work out how many calculators and protractors Miss Kelly buys.

$$290 \div 12.65 = 22.9249 \dots$$

22 calculators

$$22 \times £12.65 = £278.30$$

$$290 - 278.30 = £11.70$$

$$11.70 \div 1.49 = 7.85234 \dots$$

$$7 \times 5 = 35$$

35 protractors

..... 22 Calculators

..... 35 Protractors
(5)

9. A youth club has raised £800 to spend on tickets for the zoo.



Adult Ticket	£14
Child Ticket	£11

They also have a voucher that gives them 20% off all ticket prices.

The youth club buy 6 adult tickets and as many child tickets as possible.

How many child tickets do they buy?

$$14 \div 100 = 0.14$$

$$0.14 \times 20 = \pounds 2.80$$

$$14 - 2.80 = \pounds 11.20$$

$$11 \div 100 = 0.11$$

$$0.11 \times 20 = \pounds 2.20$$

$$11 - 2.20 = \pounds 8.80$$

$$6 \times 11.20 = \pounds 67.20$$

$$800 - 67.20 = \pounds 732.80$$

$$732.80 \div 8.80 = 83.2727...$$

83

83

.....
(5)

10. A packet of biscuits costs £1.80



Jessica uses £10 to buy as many packets of biscuits as possible.

(a) How many packets of biscuits does Jessica buy?

$$10 \div 1.80 = 5.55\dots$$

5 packets

5
.....
(2)

The next week Jessica visits a different shop and they sell the biscuits for half the price. 90p

Jessica says "I can buy exactly twice as many packets of biscuits with £10."

(b) Show that Jessica is incorrect.


$$10 \div 0.9 = 11.111\dots$$

11 packets

Jessica can buy 11 packets, which is more than twice the number of packets,

$$5 \times 2 = 10 \quad 11 > 10$$

(2)

11.  Lara is going on holiday to New York.
She wants to change some money into US dollars.

The post office only stocks \$50 notes.
Lara wants to change up to £800 into US dollars.
She wants as many \$50 notes as possible.

The exchange rate is £1 = \$1.24

How many \$50 notes should Lara get?

$$800 \times 1.24 = \$992$$

$$992 \div 50 = 19$$

19

.....
(3)

12. Two shops have a special offer on the same type of candle.



Shop A
Normal price: £3.60 each
25% off all candles

£2.70 each.

Shop B
Normal price: £3.80 each
Buy 2 get 1 free

Tom has £50 to spend on candles.

Work out the greatest number of candles that Tom can buy.

shop A

$$3.60 \div 100 = 0.036$$

$$0.036 \times 25 = 0.9$$

$$3.6 - 0.9 = \underline{2.70} \quad \underline{18}$$

$$50 \div 2.70 = 18.518\dots$$

shop B

$$50 \div 3.80 = 13.1578\dots$$

Buy 12 get 6 free

$$18 + 1 = \underline{19}$$

or

$$50 \div 7.60 = 6.589\dots$$

Buy 12 get 6 free (18)

$$6 \times 7.60 = 45.60$$

$$50 - 45.60 = 4.40$$

buy 1 more (1)

19
.....
(4)