

8300

GCSE MATHEMATICS

Foundation tier – Questions by Topic

Number

Adding and subtracting decimals

v1.0

Name _____

Materials

For this paper you must have:

- Mathematical instruments



Information

- The marks for questions are shown in brackets

Advice

- In all calculations, show clearly how you work out your answer

Q1.

(b) Work out $0.5 - 0.18$

(2)

(Total 2 marks)

Q2.

Work out $1.1 - 0.15$

Circle your answer.

0.95

1.05

0.85

1.085

(Total 1 mark)

Q3.

(a) Work out $£5.81 + £3.09$

(1)

(b) Work out $£2 - £1.36$

(1)

(Total 2 marks)

Q4.

Work out $3.45 + 2.07 - 1.3$

(Total 2 marks)

Q5.

(a) Work out $16.4 - 3.92 + 7.8$

(2)

(Total 2 marks)

Q6.

The air pressure in a tyre measures 3.2 bar.

Air is leaking out at the rate of 0.2 bar per day.

(a) Assume that the air continues to leak at the same rate.
After how many days will the pressure measure 1.8 bar?

(2)

(b) In fact, the rate that the air leaks out decreases each day.
How does this affect your answer to part (a)?

(1)

(Total 3 marks)

Q7.

(b) Jo thinks the difference between -0.3 and 33.3 is 33 .
Is she correct?

Tick a box.

☐

Yes

☐

No

Show clearly how you decide.

(2)

(Total 2 marks)

Q8.

(a) Work out $364.5 + 17.9 - 2.08$

(2)

(Total 2 marks)

Q9.

Work out $23.7 - 2.5 \times 8$

(Total 2 marks)

Q10.

Work out $0.4\dot{7} + 0.312$

Circle your answer.

0.782

0.789

0.789 $\dot{7}$

0.78 $\ddot{9}$

(Total 1 mark)

Q11.

(a) Jess ran a race in 54.34 seconds.

The winning time was 2 hundredths of a second less than her time.

What was the winning time?

(1)

(Total 1 mark)

Q12.

Here are some numbers.

9.6

12.6

15.4

7.6

12.4

17.4

Write the numbers in pairs so that the **sum** of the numbers in each pair is the same.

(Total 2 marks)

Q13.

Here are four number cards.

8.6

0.27

6.3

0.4

(a) Choose **two** of the cards to make the answer to this calculation a whole number.
Include the answer to the calculation.

$$\boxed{} + \boxed{} = \underline{\hspace{2cm}}$$

(2)

(b) Choose **two** of the cards to make the answer to this calculation as large as possible.
Include the answer to the calculation.

$$\boxed{} - \boxed{} = \underline{\hspace{2cm}}$$

(2)

(Total 4 marks)