Arithmetic

1. 376 + 300

2. $\frac{2}{7} + \frac{5}{7}$

3. 78 x 6

4. 264 x 8

Practice: Order Decimals

5. Recap: Explain how you would order these decimals from smallest to biggest.

5.32   5.23   3.52

6. Order these from smallest to biggest.

two tenths, fourteen hundredths, four tenths, four hundredths

7. Order these from biggest to smallest.

seventeen hundredths, seven tenths, seventy-seven hundredths, eight tenths

8. Put these in ascending order.

6.07   7.06   6.67   6.76

9. Put these in descending order.

4.04   4.4   4.44   44.4

10. Explain how you decided on the order for question 9.

11. Complete the missing digit to make this correct.

0.28 < 0.29 < 0.☐ < 0.31

12. Complete the missing digits to make this correct.

0.5 > 0.☐ ☐ > 0.4

13. The decimals were ordered in descending order. Is this correct? Explain.

9.99, 99.1, 9.11, 11.9

Challenge

14. Year 4 are bringing in cakes for a cake sale. They weigh the total cakes they each brought in.

Stefanie - 0.9kg + 0.2kg
Kathryn - 1.43kg + 0.5kg
Mahnoor - 0.37kg + 1kg
Brandon - 1.5kg + 0.72kg
Dan - 0.98kg + 1.2kg

Order the children from largest total to smallest total.

You might want to talk to an adult

Spot the mistake

Answers

Q no.	Question	Answer
1	376 + 300	676
2	$\frac{2}{7} + \frac{5}{7}$	$\frac{7}{7}$ or 1
3	78 x 6	468
4	264 x 8	2,112
5	Explain how you would order these decimals from smallest to biggest.	Pupils should start by comparing the ones column in all the numbers. From this they will identify that '3' is the smallest (and is therefore the first number). As the remaining numbers both have the digit '5' they move on the tenths column. One number has a 3 and the other has a 2. The number with the digit '2' is therefore the next smallest number. The remaining number is the largest number.
6	Order these from smallest to biggest.	four hundredths, fourteen hundredths, two tenths, four tenths
7	Order these from biggest to smallest.	eight tenths, seventy-seven hundredths, seven tenths, seventeen hundredths
8	Put these in ascending order.	6.07, 6.67, 6.76, 7.06
9	Put these in descending order.	44.4, 4.44, 4.4, 4.04
10	Explain how you decided on the order for question 9.	Question 9 was harder as the decimals had different numbers of decimal places. Some pupils will have identified that 44.4 is the only number with tens so this is the largest, then found all the other numbers have 4 in the ones column. Some pupils will have added place holders so all the numbers have the same number of decimal places. They can then easily compare the decimals.
11	Complete the missing digit to make this correct.	3
12	Complete the missing digits to make this correct.	Anything from 0.41 – 0.49
13	The decimals were ordered in descending order. Is this correct?	This order is incorrect. The order has been decided by converting the numbers so they are all in the hundreds and comparing them. The correct order is 99.1, 11.9, 9.99, 9.11
14	Year 4 are bringing in cakes for a cake sale. They weigh the total cakes they each brought in. Order the children from largest total to smallest total.	Correct order: Brandon - 2.22kg Dan - 2.18kg Kathryn - 1.93kg Mahnoor - 1.37kg Stefanie - 1.1kg