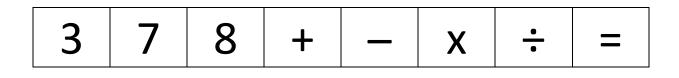
Name

Date

NUMBER TOTALS INVESTIGATION

- 1) Use the digits and operations below to make 6 different answers.
- You can use the symbols more than once, but you can only use the digits once in each combination.
- The digits **can** be combined into 2 digit numbers if you wish.
 - For example, you could have 37 + 8, or 3 + 7 + 8.
- You can also use brackets where appropriate.
- Exponents are not allowed.



- 2) What is the biggest number you can make?
- 3) What is the smallest number you can make?





Name

Date

NUMBER TOTALS INVESTIGATION ANSWERS

- 1) Use the digits and operations below to make 6 different answers.
- You can use the symbols more than once, but you can only use the digits once in each combination.
- The digits **can** be combined into 2 digit numbers if you wish.
 - For example, you could have 37 + 8, or 3 + 78.
- You can also use brackets where appropriate.
- Exponents are not allowed.

There are many different answers you can make using the digits and symbols.

Here are 10 of them:

| 3 + 7 + 8 = 18 | 37 + 8 = 45 | 3 + 7 - 8 = 2 | 3 x 7 – 8 = 13 | 3 x (7 + 8) = 45 |
|----------------|----------------|---------------|----------------|------------------|
| 8-7-3=-2 | 8 + 7 x 3 = 29 | 87 – 3 = 84 | 83 – 7 = 76 | 7 x (8 – 3) = 35 |

2) What is the biggest number you can make?

73 x 8 = 584

3) What is the smallest number you can make?

or possibly –73 x 8 = -584 if you are using the subtraction symbol as a negative sign;

the smallest positive number would be 3 \div 87 \approx 0.034



