

## Addition and subtraction

Included in this document are some examples of arithmetic style questions and reasoning style questions (like SATs) involving addition and subtraction. This set of questions could be worked on over a couple of days. Once you have finished, you could use a calculator to check your answers. If you make a mistake, look back and try and work out where you went wrong. I've added the calculation policy to help you if needed. You could record your work into your exercise books and send me a photograph of what you did/ a summary of how you got on. I've also added an Nrich document to this file which has an addition and subtraction link but is more focussed on problem solving. You could have a go at this once you have finished these activities.

### Arithmetic

1.

Choose two numbers to complete this calculation

$$\square + \square = 72$$

19    22    51    33    53

1 mark

2.

Fill in the missing number

$$63 + 28 = 100 - \square$$

1 mark

3.

$$2\,483 + 5\,048 =$$

1 mark

4.

$$\square = 78\,425 - 13\,214$$

1 mark

5.

$$8\,000\,000 - 10 =$$

1 mark

6.

Circle two numbers that have a difference of 230

340

580

250

810

120

1 mark

7.

$$7\,205\,415 = \boxed{\phantom{00000000}} + 4\,923\,807$$

1 mark

8.

$$707 + 1,818 =$$

1 mark

9.

$$\boxed{\phantom{000000}} = 4,500 + 600$$

1 mark

10.

$$4,912 - 824 =$$



1 mark

11.

$$\boxed{\phantom{0000}} - 100 = 1,059$$



1 mark

## Reasoning

1.

This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

What is the **total** of the numbers of people living in Formby and in Telford?

What is the **difference** between the numbers of people living in Bedford and in Dover?

2.

Write the three missing digits to make this **addition** correct.

$$\begin{array}{r} 1 \quad 5 \quad \square \\ + \quad 4 \quad \square \quad 4 \\ \hline \square \quad 1 \quad 5 \end{array}$$

3.

Write the three missing digits to make this **addition** correct.

$$\begin{array}{r} \boxed{5} \boxed{3} \boxed{2} \boxed{\phantom{0}} \boxed{9} \\ + \quad \boxed{7} \boxed{4} \boxed{2} \boxed{\phantom{0}} \\ \hline \boxed{\phantom{0}} \boxed{0} \boxed{6} \boxed{7} \boxed{6} \end{array}$$

4.

This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the combined height of the other two mountains?

5.

At the start of June, there were 1,793 toy cars in the shop.

During June,

- 8,728 more toy cars were delivered
- 9,473 toy cars were sold.

How many toy cars were left in the shop at the end of June?

6.

a) There were 2 408 people on board a cruise ship. At the next port, it takes on 557 more passengers, but 379 people get off. How many passengers are on board the ship now?

1 mark

b) If 658 of these passengers are children, how many adults are on board?

1 mark

7.

Mrs Redley spent £23 407 on a new kitchen and then spent £2 073 on her grandchildren's Christmas presents. She has £19 098 left in her bank account. How much money did she have to begin with?

1 mark

8.

After his birthday, Carter has 5 238 football cards having received 257 cards from his Gran and 93 cards from his brother. How many cards did Carter have before his birthday?

1 mark

9.

This table shows the number of visitors to an art gallery at different months throughout the year.

3 month period	Total visitors
Jan - Mar	42 371
Apr - Jun	60 158
Jul - Sept	98 044
Oct - Dec	77 108

How many more visitors were there in the last half of the year than in the first half of the year?