BRICKWORK Mathematics

Prior Learning Assessment
Year 4 Addition Answers

Addition + Subtraction

Prior Learning:

Addition + Subtraction

Question 1:
I can use partitioning and place value to mentally add.

I feel

Add these amounts together:

a) 105 + 10 = **115**

b) 264 + 30 = **294**

c) 245 + 42 = **287**

d) 302 + 170 = **472**

e) 578 + 40 = **628**

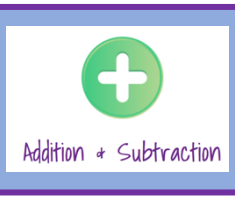
f) 219 + 72 = **291**

g) 366 + 122 = **488**

h) 234 + 95 = **329**

Some children may not answer all of these as they may not have enough mental knowledge to answer these quickly. Look for children using their knowledge of place value to add lots of tens and hundreds to amounts. Also the children should be able to partition the amounts to add these mentally quickly.

Prior Learning:



Question 2:
I can use rounding to help me to mentally add.

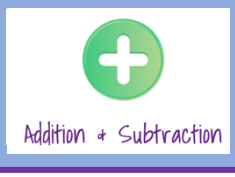
I feel

Add these amounts together:

a) 47 + 9 =	56	b) 64 + 19 =	83
c) 68 + 21 =	89	d) 84+ 51 =	135
e) 768 + 99 =	867	f) 206 + 19 =	225
g) 312 +201 =	513	h) 671 + 31=	702

Some children may not answer all of these as they may not have enough mental knowledge to answer these quickly. Look for children using their knowledge of rounding to help them to quickly add. You may feel the children will benefit from learning this method later on in the year.

Prior Learning:



Question 3:
I use my knowledge of doubles to help me to mentally add.

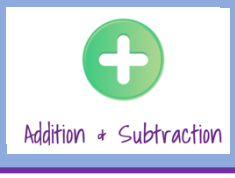
I feel

Add these amounts together:

a) 9 + 8 =	17	b) 35 + 36 =	71
c) 250 + 260 =	510	d) 305 + 301 =	606

These questions are designed for the children to spot that they can use their knowledge of doubles to help them to add the amounts together quickly. If there are some children that do not know their doubles well enough, provide opportunities for the children to practise doubling amounts to 100. If the children do not have an understanding between x by 10, they may find it hard to see that 25 + 25 is 50 so 250 + 250 = 500. You may want to introduce this after x by 10 lessons.

Prior Learning:



Question 4:
I use my knowledge of number bonds to help me to add mentally.

I feel

a)75 + 25 = 100

b) 46 + 54 = 100

c) 21+ 32 + 19 = 72

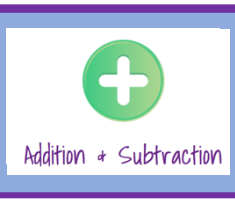
d) 67 + 58 +33 = 158

e)125 + 61 + 5 = 191

f)60+500+240 = 800

Number bonds.
You need to ensure that the children are not siley reliable on written methods, that partiioning, using the commutative order , number bonds are also strimg for mental methods.

Prior Learning:



Question 5:
I can use a written method to add amounts

I feel

Show me how to work out:

a)

$$\begin{array}{r} 824 \\ +\ 173 \\ \hline \\ \hline \end{array}$$

b) 318 + 81 =

Prior Learning:

Addition + Subtraction

Question 6:
I am beginning to use a formal method to add 3 digit amounts.

I feel

Complete these sums :

a) 456 + 153 =

b) 519 + 875 =

Prior Learning:

Addition + Subtraction

Question 7:
I can make realistic estimates.

I feel

3 children collect character cards. Estimate how many cards they have collected altogether.

199

92

215

500

Prior Learning :

Addition + Subtraction

Question 8:
I can solve addition missing number sums.

I feel

Fill in the boxes to make each sum correct.

a)

	3	□	5
+	□	7	□
	8	9	6

b)

	□	□	3
+	2	8	□
	5	2	0

Prior Learning:

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Question 9 :
I can solve word problems.

I feel:

Charlie saves football cards each year and places them into a large album. In 2016 he saved 218 cards and in 2017 he saved 351 cards. At the end of 2018, he will have saved ten less cards than in 2016. How many cards will he have altogether?