Rapid Recap

Partition these numbers into tens and ones.

a (47)
(40) (7)

b (15)
(10) (5)

c (89)
(80) (9)

d (63)
(60) (3)

e (54)
(50) (4)

f (77)
(70) (7)

g (31)
(30) (1)

h (28)
(20) (8)
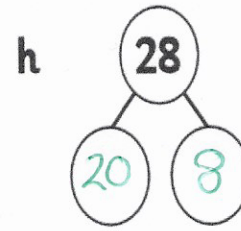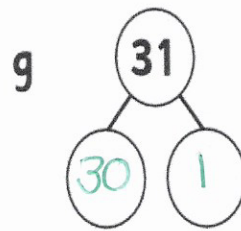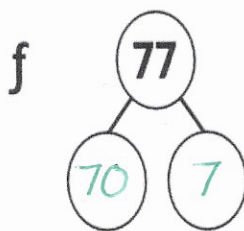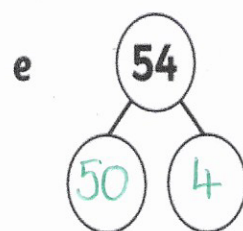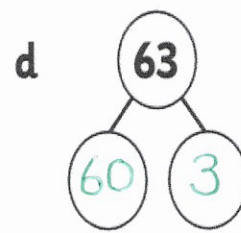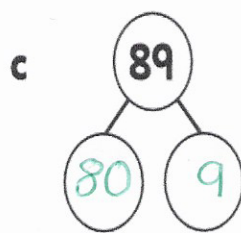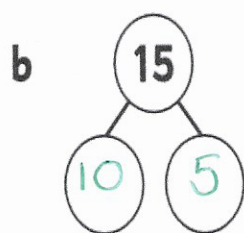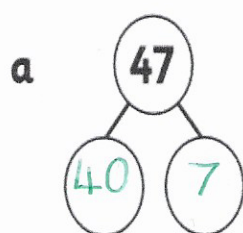
A number sentence can also be written vertically (from top to bottom). This can be useful when we add or subtract large numbers. Let's have a look at how it works. Look at the number sentence.

$$4 + 3 = 7$$

tens	ones
0	4
+ 0	3
0	7

We write the place value with tens in one column and ones in the other.

Step 1: Add the ones

Step 2: Add the tens

Step 3: Put the tens and ones together

The answer is written at the bottom of the columns.

We can use what we know about place value to write the number sentence in columns.

Draw in the tens and ones then write in the answer to the number sentence and the column addition.

a 6 + 3 = 9

tens	ones
	6
	9

6
+   3
___
9

$+$

b 11 + 6 = 17

tens	ones
1	
1	7

1   1
+   6
___
1 7

$+$

Fluency

This time the tens and units have already been drawn in but you need to write in the numbers and complete the number sentence.

a

tens	ones
1	4
	2
1	6

+

14 + 2 = 16

b

tens	ones
	3
2	2
2	5

+

3 + 22 = 25

	tens	ones
	1	7
+	3	2
	4	9

	tens	ones
	6	4
+	2	5
	8	9

	tens	ones
	1	4
+	4	3
	5	7

	tens	ones
	2	3
+	5	5
	7	8

	tens	ones
	7	2
+	1	7
	8	9

	tens	ones
	3	1
+	4	4
	7	5

Challenge

I am going to give you some word problems can you answer them using the column method.
Don't forget to work out the calculation and write the answer in words.

I have 24 children in my class. There will be 5 new children joining in September. How many will we have in my class in September?

	T	O
	2	4
+		5
	2	9

29 children

I am waiting for a delivery. I have already waited 58 days and I must wait 11 more. How many days will I have waited in total until my delivery comes?

69 days

	5	8
+	1	1
	6	9

I have 22 birthday cards. The next day, 27 more arrive. How many birthday cards did I receive?

$$
\begin{array}{r}
2\,2 \\
+\quad 2\,7 \\
\hline
4\,9
\end{array}
$$

Extension
These problems have 2 steps. Show all your working out.

1. On a school trip 56 people visit a museum. There are 45 children and 4 teachers, the rest are parents. How many parents are there?

$$
\begin{array}{r}
4\,5 \\
+\quad 4 \\
\hline
4\,9
\end{array}
$$

+1   +6

49   50   56

1 + 6 = 7   7 Parents
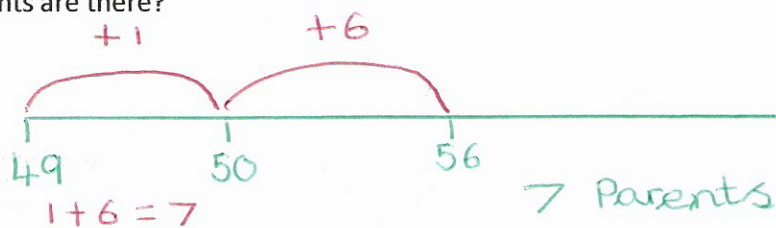
2. On a school trip 72 people visit a museum. There are 53 children and 7 teachers, the rest are parents. How many parents are there?

$$
\begin{array}{r}
5\,3 \\
+\quad 7 \\
\hline
6\,0 \\
{\scriptstyle 1}
\end{array}
$$

+10   +2

60   70   72

10 + 2 = 12   12 parents
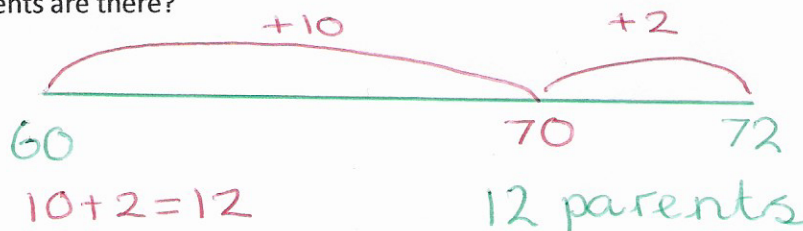
3. In a week John saves £1.75, on Monday he has 55p on Wednesday 75p. How much does he save the rest of the week?

H T O
$$
\begin{array}{r}
+\;5\,5\,p \\
7\,5\,p \\
\hline
1\,3\,0\,p \\
{\scriptstyle 1}
\end{array}
$$

+10   +10   +10   +10   +5

130p   140p   150p   160p   170p   175p

10p + 10p + 10p + 10p + 5p = 45p
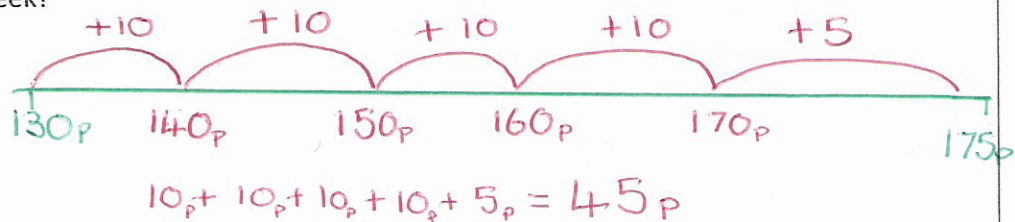
John saves 45p the rest of the week.

Tuesday 5ᵗʰ May 2020

Rapid Recap

Complete the number sentences using number facts.

a 10 + 70 = $\boxed{80}$

$1 + 7 = 8$

b 50 + 30 = $\boxed{80}$

$5 + 3 = 8$

c 80 + 10 = $\boxed{90}$

$8 + 1 = 9$

d 60 + 40 = $\boxed{100}$

$6 + 4 = 10$

e 70 + 20 = $\boxed{90}$

$7 + 2 = 9$

f 40 + 30 = $\boxed{70}$

$4 + 3 = 7$

g 10 + 20 = $\boxed{30}$

$1 + 2 = 3$

h 30 + 30 = $\boxed{60}$

$3 + 3 = 6$

(If you cannot print this, simply write the numbers on paper)

Today we are going to continue adding two numbers together using the column method.

tens	ones
0	4
+ 0	3
0	7

We write the place value with tens in one column and ones in the other.

Step 1: Add the ones

Step 2: Add the tens

Step 3: Put the tens and ones together

The answer is written at the bottom of the columns.

Fluency

tens	ones
6	2
+	4
6	**6**

tens	ones
3	5
+	4
3	**9**

tens	ones
5	8
+ 1	1
6	**9**

Set out these number sentences for me using the column method.

27+ 12

45 plus 54

68 and 21

	T	O
	2	7
+	1	2
	3	**9**

	T	O
	4	5
+	5	4
	9	**9**

	T	O
	6	8
+	2	1
	8	**9**

Extra

Challenge

Answer the word problem using the column method. Take care to line up the tens and ones correctly. This will help you not to make a mistake.

1. One bag of sweets has 35 sweets in it, the other 42. How many sweets are there altogether?

```
  35
+ 42
  77
```
There are 77 sweets.

2. One bag of sweets has 25 sweets in it, the other 46. How many sweets are there altogether?

```
+ 25
  46
  71
```
71 sweets

5+6=11 so I carry the 10. Then I include it when I total the tens.

3. I save 39p one week and 24p the next week. How much money have I saved in total?

```
  39
+ 24
  63
```

9+4 =13, so I carry the 10. Then I include it when I total the tens.

4. I need 44 cups for a party. I have 12 so far. How may more will I need?

$$\begin{array}{r} 1\ 2 \\ +\ 3\ 2 \\ \hline 4\ 4 \end{array}$$

I know 2 + 2 = 4 and I know I needed 3 more tens to make 40.

I will need 32 more cups.

5. I have 25 friends who I want to send a card to. I have already written 13. How many more cards to I need to write?

$$\begin{array}{r} 1\ 3 \\ +\ 1\ 2 \\ \hline 2\ 5 \end{array}$$

I know the total and I know how many I have to start with.

Now I need to work out how many more I need to write.

I know 3 + 2 = 5 so I need 2 more ones and I know 1 + 1 makes 2 so I need 1 more ten to make 20.

I need to write 12 more cards.

Extension

Complete the calculations.

eg
$$\begin{array}{r} 30 \\ +\ 40 \\ 30 \\ \hline 100 \end{array}$$

30 + 40 + $\boxed{30}$ = 100

40 + $\boxed{40}$ + 20 = 100

36 + 44 + $\boxed{20}$ = 100

36 + 54 + $\boxed{10}$ = 100

47 + $\boxed{33}$ + 20 = 100
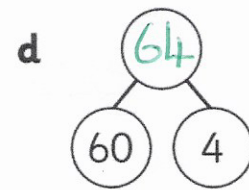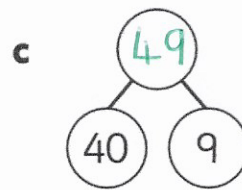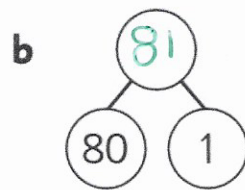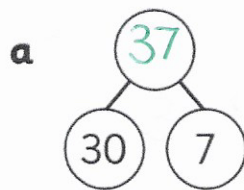
47 + $\boxed{23}$ + 30 = 100

Set them out in the column method.
Can you write a word problem for two of these calculations.

Wednesday 6th May 2020

Rapid Recap

Put the tens and the ones together.

a   (37)   b   (81)   c   (49)   d   (64)
   (30) (7)   (80) (1)   (40) (9)   (60) (4)
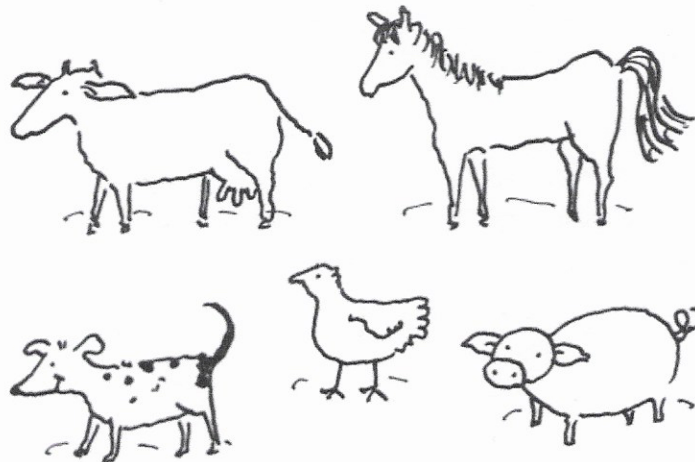
On the farm are:

6 horses,

10 cows,

2 dogs,

4 hens

and 5 pigs.

1   How many eyes are on the farm? ____54__ eyes

2   How many tails are on the farm? ____23__ tails

3   How many legs are on the farm? ____100__ legs

4   How many heads are on the farm? __27__ heads

TIP:
Draw pictures to help you, then write down your calculations to help you check your answers.

Extension: Can you keep the totals the same while changing the amount of each type of animal on your farm.

Thursday 7th May 2020

76	
29	47
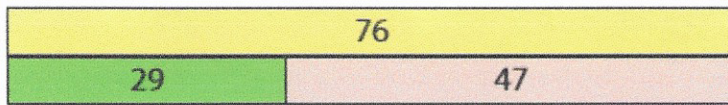
Using the bar model complete the four number sentences.

$29 + 47 = 76$

$47 + 29 = 76$

$76 - 29 = 47$

$76 - 47 = 29$

Today we are going to continue with our column addition. I have written an addition sentence very quickly. I wasn't really concentrating. Have I made any mistakes? Circle them and tell your adult what I have done wrong. Clue – I have made more than one.

T   O

7 2

1   7

(?)

I didn't line up the tens and ones.

I didn't show which operation I was using.

Fluency

Can you set out all the calculation correctly on the squared paper? Can you answer 5?

| 12 + 13 | 34+15 | 23+32 | 14+52 | 25+20 | 21+8 | 24+44 |

Did you line up your tens and ones?

```
  1 2        3 4        2 3
+ 1 3      + 1 5      + 3 2
  2 5        4 9        5 5


  1 4        2 5        2 1
+ 5 2      + 2 0      +   8
  6 6        4 5        2 9


  2 4
+ 4 4
  6 8
```

Challenge

1) Answer the question using the column method.

18

23 + 37 = [60]

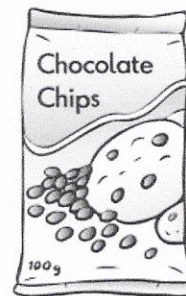```
  2 3
+ 3 7
  6 0
  1
```

1 mark

2) Remember this is a two-step problem.

**29** There are **100g** of chocolate chips in the bag.

Sita uses **25g**.

Ben uses **35g**.

How many grams of chocolate chips are **left** in the bag?

Chocolate Chips

100g

Show your working

① How much has been used?

$$+ \begin{array}{r} 25_g \\ 35_g \\ \hline 60_g \\ \end{array}$$
1

②

$100_g - 60_g = 40_g$
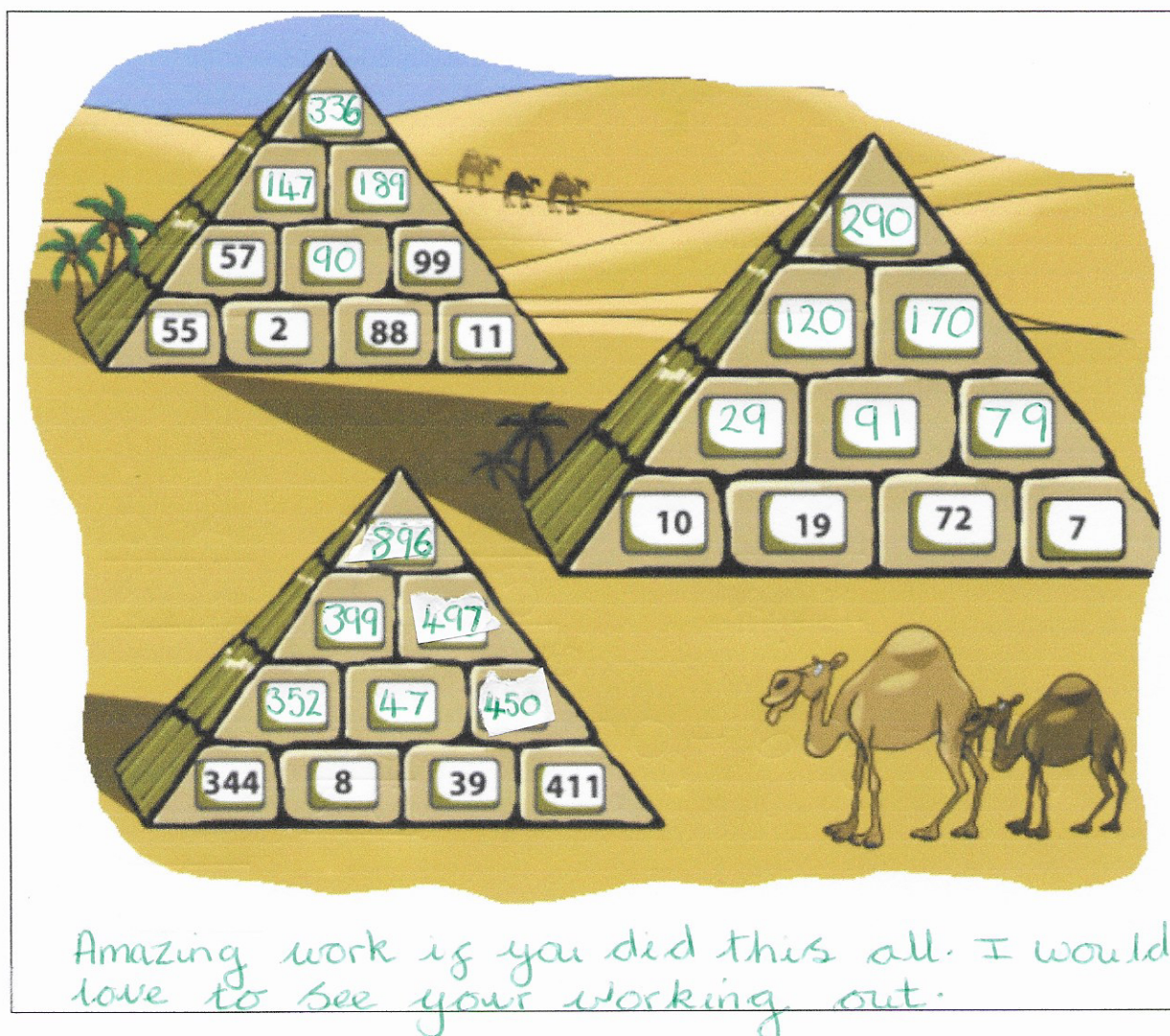
I know $10 - 6 = 4$

How many are left

40 g

= my working out I would need to show this.
= my thinking. You would not need to write this part down in a quiz.

**Extension**
Work out the next block in the pyramid by adding the two blocks below it. You may find it useful to use the column method to support you.

Amazing work if you did this all. I would love to see your working out.

Friday 8th May 2020

The results of last weeks battle are in. Oh no! The Year 3s won. We shall have to try to beat them next time.

| Year 2 | **484** | **680** | 🏆 Year 3 | 24 Apr 20, 09:30 | 27 Apr 20, 15:00 |

**Please visit your Times Table Rockstar Account. Do not forget its more important to be accurate than fast.**

This week let's see who's the best at multiplication in our class. The boys or the girls. Who will win?