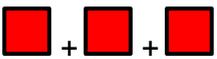
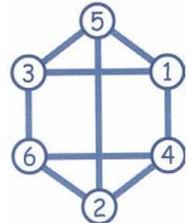


Year 3 - Maths – Summer 2 Week 1



	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
Mental Maths (to aid fluency)	Rapid Reasoning: See below for details.	Rapid Reasoning: See below for details.	Rapid Reasoning: See below for details.	Times table Rockstars: Challenge a friend or Mr Spalding to a Rock Slam. Keep practising your 4, 6 and 8 times tables.	Mathletics: Log in and complete some activities. You can also see tasks set by Mr Spalding. OR practise your 7 times tables.
Maths No Problem workbooks Chapter 13 Shapes	<u>MNP workbook</u> Complete Worksheets 1 and 2, (perpendicular and parallel lines) starting on page 161. To support your learning, visit this page from BBC Bitesize.	<u>MNP workbook</u> Worksheets 3, 4 and 5 (vertical and horizontal lines, two-dimensional shapes) starting on page 169. To support your learning, visit this page from BBC Bitesize.	<u>MNP workbook</u> Worksheet 6 and 7 (3 dimensional shapes) starting on page 176. To support your learning, visit this page from BBC Bitesize.	<u>MNP workbook</u> Worksheet 8 (describing 3 dimensional shapes) and Mind Workout, starting on page 180.	<u>MNP workbook</u> Review 13, starting on page 183.
Problem of the day	Shape codes. Find the value of each shape:  = 9  = 8  = 6  = 13 The solution to last week's Eggs in baskets is here .	Countdown Game. 100 3 2 10 9 3 Only using digits from the six above, make the number 563 . Remember you can only use the digits once. You can also play this game online .	Division. Use the partitioning method (see below for layout) to complete the following calculations: 1. $51 \div 3 =$ 2. $64 \div 4 =$ 3. $84 \div 6 =$ 4. $72 \div 4 =$	Problem of the week. "Puzzles and problems for Years 3 and 4" Problem number 34, "Queen Esmerelda's coins." <u>Last week's answer:</u> Here is one possible solution: 	Investigation. Five on the clock  On a digital clock showing 24-hour time, over a whole day, how many times does a 5 appear? Is it the same number for a 12-hour clock over a whole day? Solutions to last week's question (mixed up socks) are here .
Tips, clues or methods to help	Decide which shape you can find the value of first. Remember that the value of that shape stays the same.	Make 600 and then make 37 with the reminding digits to subtract.	Set out your multiplications neatly - remember to use columns	Start with the same number for each attempt. There is more than one answer to this problem.	Send Mr Spalding a message on the question page.

See below for: formal division layout example, puzzles and problems for Years 3 and 4

Q1

a

Write the number four hundred and seventy-nine in digits.

1 mark

b

Write the number 835 in words.

1 mark

Q2

Leah wants to buy a bottle of water from a machine.

She puts 75p into the machine.

The machine shows that she still needs to pay 20p more to buy the bottle of water.

How much does the bottle of water cost?

p

1 mark

Q3

Five children share 15 plastic counters equally between them.

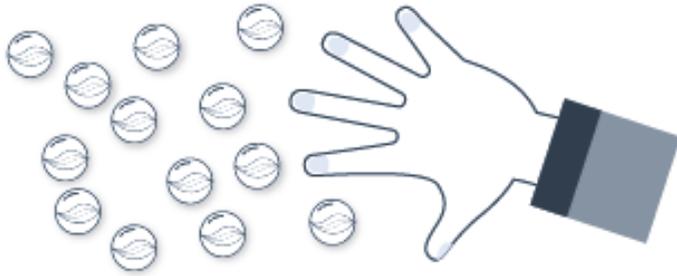


How many counters does each child get?

counters

1 mark

Q1 Sam has 20 marbles.
He hides some of the marbles with his hand.
There are 13 marbles remaining.



How many marbles has Sam hidden?

1 mark

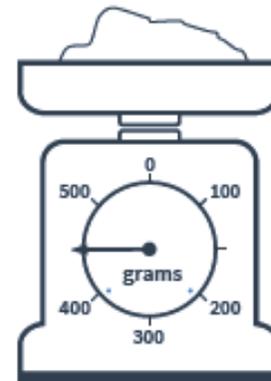
Q2

Tick each number that can be made using these digit cards.

- Seven hundred and fifteen
- Five hundred and four
- One hundred and fifty-six
- Five hundred and seventy-one
- One hundred and thirty

1 mark

Q3 Krishna weighs a cupful of sand using scales.



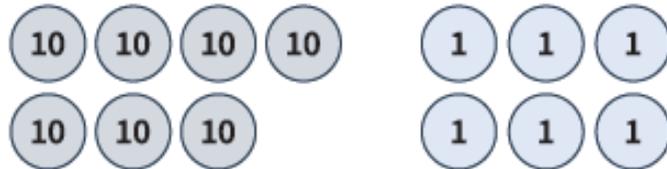
How heavy is the sand?

g

1 mark

Q1

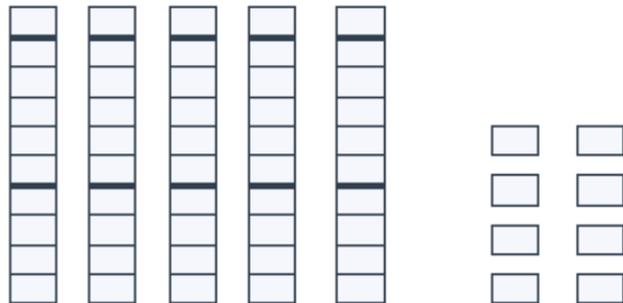
a



Can you use the picture above to work out the answer to $76 - 5 = ?$

1 mark

b



Can you use the picture above to work out the answer to $58 - 7 = ?$

1 mark

Q2

Tilly has these coins.



How much money does Tilly have altogether?

 p

1 mark

Q3

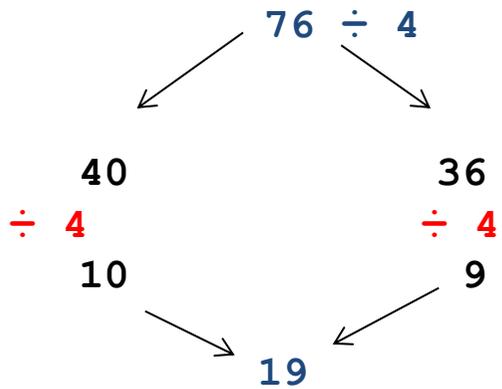
Fill in the missing numbers in these number sentences.

$\times 10 = 80$

$35 \div 5 =$

2 marks

Day 3: Division: Partitioning layout



Firstly partition the first number into multiples of ten of the number you are dividing by and the rest.

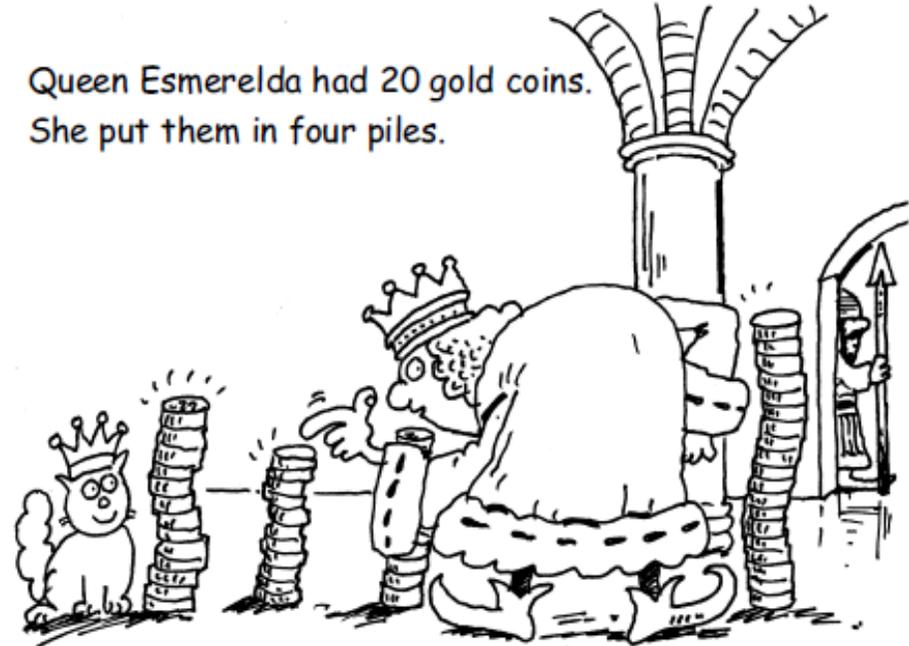
Divide the biggest part to get 10.
Divide the other part.

Add the resulting numbers.

Day 4: Problem of the week

Queen Esmerelda's coins

Queen Esmerelda had 20 gold coins.
She put them in four piles.



- ◆ The first pile had four more coins than the second.
- ◆ The second pile had one less coin than the third.
- ◆ The fourth pile had twice as many coins as the second.

How many gold coins did Esmerelda put in each pile?

34

Teaching objectives

Solve mathematical problems or puzzles.
Use vocabulary of comparing and ordering numbers.
Explain methods and reasoning.