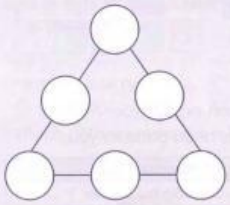
Addition of decimals

Let's investigate

Arrange the numbers 0.1, 0.2, 0.3, 0.4, 0.5 and 0.6 in the circles so the sum along each side of the triangle is 1.2.



Try using numbers on cards or small pieces of paper, that you can move around.

1 The answers to the following questions are in the grid. Find which answer goes with which question. Which number is not one of the answers?

8.28	4.3	2.05
7.8	5.41	12.18
13.95	4.98	12.21

(a) 4.61 + 0.8 (b) 0.45 + 1.6 (c) 3.7 + 4.58 (d) 6.1 + 7.85
(e) 4.3 + 0.68 (f) 7.5 + 4.68 (g) 4.25 + 7.96 (h) 3.45 + 0.85

2 Kiki has two pieces of rope. One piece is 93.7 metres long and the other piece is 125.9 metres long. What is the total length of her rope?

3 Find the sum of all the numbers less than 5.5 in this list.
5.05 5.55 5.15 5.5

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4 A shop has these items for sale.

Coffee maker	$129.95
Toaster	$30.75
Can opener	$14.25
Ice cream maker	$26.80






Darius buys an ice cream maker and a coffee maker. How much does he spend altogether?

5 Use the digits 3, 5 and 6 only to complete these calculations.
You can use each digit more than once.

? ? · ? + ? ? · ? = 100

6 Here are six number cards:



Use each card once to complete these two calculations:

? + ? = ?
? + ? = ?

7 Choose one number from each box to make a total of 10. Write down the number sentence.

1.5 2.5 3.5 4.5	+	2 4	+	1.5 2.5 3.5 4.5	= 10

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8 Add together all the numbers greater than 0.7, in the following list.
Check your answer by adding the numbers together in a different order.

0.5 11.2 0.8 0.38 0.09 0.74 2.54

9 Here are ten number cards:



Divide the cards into five pairs so that one pair adds up to 6, one pair adds up to 7, one pair to 9, one pair to 16 and one pair to 17.

10 Use each of the digits 2, 4, 6 and 7 to make this calculation correct:

? · ? + ? · ? = 10

11 Petra buys two shirts. One costs $14.75 and the other $21.05.
What is the total cost of the two shirts?

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Division (1)

Let's investigate

Abdul was asked how old he was.



If my age is divided by 2 or 3 or 4 there is 1 left over. If my age is divided by 7 there is no remainder.

How old is Abdul?

List the multiples of 7.

1 Vincent wants to put 75 photographs in an album. A full page holds 6 photographs. What is the smallest number of pages Vincent uses?

2 Which number on the grid can be divided by 8 with a remainder of 1?

67	72	51
42	73	64
60	20	69

3 Complete these calculations:

(a) 78 ÷ 4 (b) 68 ÷ 7 (c) 98 ÷ 6

4 Copy the grid. Shade the squares that have a remainder in the answer.

What letter have you made?

41 ÷ 4	47 ÷ 9	48 ÷ 5
14 ÷ 4	25 ÷ 5	31 ÷ 3
55 ÷ 6	27 ÷ 6	50 ÷ 7
34 ÷ 7	48 ÷ 6	54 ÷ 9
60 ÷ 8	54 ÷ 6	49 ÷ 7

5 Complete these calculations:

(a) 132 ÷ 6 (b) 146 ÷ 9

(c) 147 ÷ 2 (d) 107 ÷ 4

(e) 156 ÷ 8 (f) 148 ÷ 9

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