

Spring Term 2. Week 1.

Monday: Arithmetic

Mrs Brown's Group.

In your books...Logic Puzzle!

- Before you write the date and the title, do this:

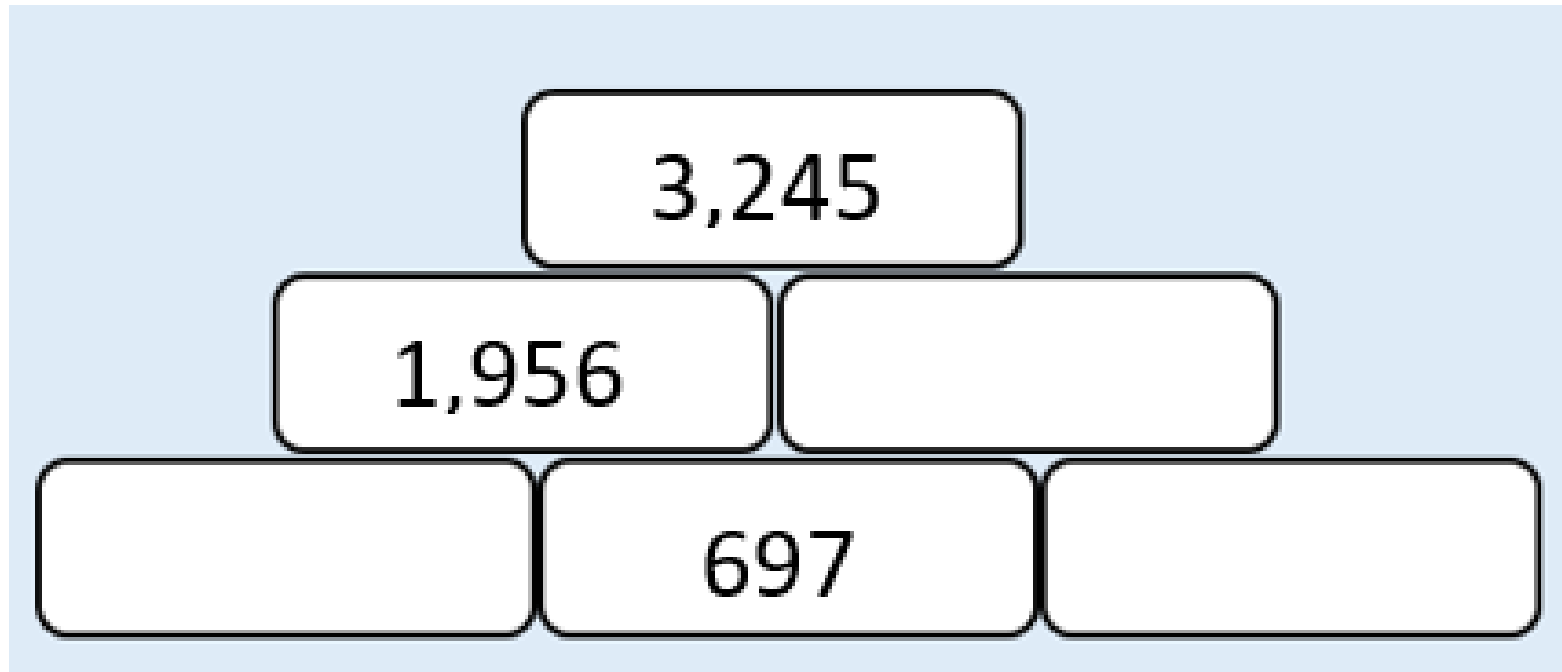
1. In this Magic Square, the sum of every row, column and diagonal is 238. Complete the missing numbers.

		28	49
	56		7
35		14	
21		105	70

In your books...Logic Puzzle!

- Before you write the date and the title, do this:

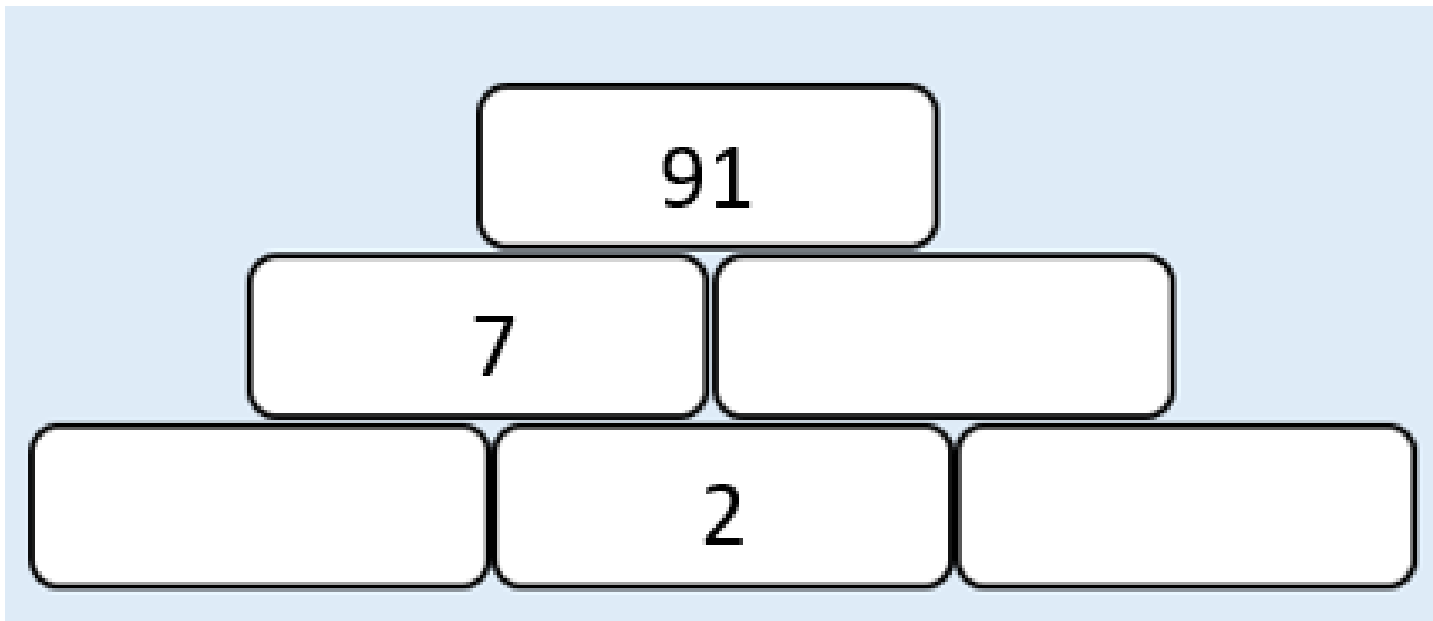
2. The number in the box above two other boxes is the **sum** of the two numbers below it. Work out the missing numbers.



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- Before you write the date and the title, do this:

3. The number in the box above two other boxes is the **product** of the two numbers below it. Work out the missing numbers.



Date: Week 1.

Title: Division using and applying in problem solving questions.



Title	Ingredients
Division	<ul style="list-style-type: none">• Use the inverse to check answers• RUCSAC• Remainder• Share, divide,• Read the questions carefully• Identify the key facts• Reread the question

Key words/terminology: Factors, multiply, lowest common denominator, simplify.

You do ...



$$39 \overline{)14469}$$

$$30 \overline{)29220}$$

$$52 \overline{)7488}$$

$$55 \overline{)31020}$$

$$77 \overline{)29568}$$

$$23 \overline{)8878}$$

$$56 \overline{)54264}$$

$$73 \overline{)9563}$$

Answers...



$$\begin{array}{r} 371 \\ 39 \overline{)14469} \end{array}$$

$$\begin{array}{r} 974 \\ 30 \overline{)29220} \end{array}$$

$$\begin{array}{r} 144 \\ 52 \overline{)7488} \end{array}$$

$$\begin{array}{r} 564 \\ 55 \overline{)31020} \end{array}$$

$$\begin{array}{r} 384 \\ 77 \overline{)29568} \end{array}$$

$$\begin{array}{r} 386 \\ 23 \overline{)8878} \end{array}$$

$$\begin{array}{r} 969 \\ 56 \overline{)54264} \end{array}$$

$$\begin{array}{r} 131 \\ 73 \overline{)9563} \end{array}$$

You do...



$$7) X \div 29 = 37 \quad X = \underline{\quad}$$

$$8) 660 \div X = 30 \quad X = \underline{\quad}$$

$$9) 828 \div X = 23 \quad X = \underline{\quad}$$

$$10) X \div 15 = 34 \quad X = \underline{\quad}$$

$$11) 504 \div X = 14 \quad X = \underline{\quad}$$

$$12) 819 \div X = 21 \quad X = \underline{\quad}$$

Answers:



$$7) X \div 29 = 37 \quad X = \underline{1073} \quad 8) 660 \div X = 30 \quad X = \underline{22}$$

$$9) 828 \div X = 23 \quad X = \underline{36} \quad 10) X \div 15 = 34 \quad X = \underline{510}$$

$$11) 504 \div X = 14 \quad X = \underline{36} \quad 12) 819 \div X = 21 \quad X = \underline{39}$$



Multi-Step Division Word Problems Challenge Cards

2. A child has a collection of football cards. They are to be kept in a folder with 9 cards on each page. The child has 28 complete sets of 12 cards, and another 61 cards. How many pages will be needed to store the cards?



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Multi-Step Division Word Problems Challenge Cards

4. A ten pin bowling alley buys 6 packs of new pins, with each pack containing 8 pins. All the pins in the alley are collected from the lanes and counted. Of the 267 pins, 29 are thrown away due to damage. The remaining pins and new pins are combined and shared equally among the 18 lanes, with any remaining pins kept as spares. How many pins will be allocated to each lane?

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Multi-Step Division Word Problems Challenge Cards

6. At a dancing school, there are 2 classes. The younger class has 63 pupils. The older class has 41 pupils. For a dance, there will be eight equal groups of dancers. How many dancers will there be in each group?

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Multi-Step Division Word Problems Challenge Cards

7. Daffodils are arranged into bunches of 12 flowers. A florist buys 9 crates, each with 150 flowers, from one supplier and 4 crates, each with 115 flowers from another. How many bunches of 12 daffodils can be made?



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2. 45 pages

6. 13 dancers

4. 15 pins

7. 150 bunches

What have you learnt from this lesson?

What would you like more practice with going forward?