

Spring Term 2. Week 1.

Wednesday: Arithmetic

Mrs Brown's Group.

In your books...Logic Puzzle!

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

1. Each of these shapes represents a number. What number does each shape represent?

The diagram shows three equations on a light yellow background with rounded corners. The shapes used are blue triangles, green squares, and yellow circles.

$$\square \times \bigcirc = 72$$
$$\triangle + \triangle + \bigcirc + \square = 48$$
$$\square \times \square \times \square = 64$$

In your books...Logic Puzzle!

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

2. These four children each have a different topping on their jacket potatoes. Use the clues to work out who has each topping.

	Tuna	Cheese	Beans	Chicken	Bacon
Samuel					
Lauren					
Ella					
Mason					
Natalie					

- a. Mason and Lauren do not like fish.
- b. Ella and Mason are vegetarian, so do not choose to eat meat.
- c. Neither Natalie nor Mason chooses beans.
- d. A girl chooses beans and a boy chooses tuna.
- e. Lauren does not choose bacon.

In your books...Logic Puzzle!

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

2. These four children each have a different topping on their jacket potatoes. Use the clues to work out who has each topping.

	Tuna	Cheese	Beans	Chicken	Bacon
Samuel					
Lauren	X				X
Ella					X
Mason	X		X		X
Natalie			X		

- Mason and Lauren do not like fish.
- Ella and Mason are vegetarian, so do not choose to eat meat.
- Neither Natalie nor Mason chooses beans.
- A girl chooses beans and a boy chooses tuna. Samuel-Tuna Lauren or Ella-Beans
- Lauren does not choose bacon.

Answer:

Q1.



=13.



=18



=4

Date: Week 5

Title: Arithmetic using and applying 4 operations.



Title	Ingredients
Multiplying Fractions.	<ul style="list-style-type: none">• Lowest common denominator• Simplest form

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

You do ...



Put these decimal numbers in descending order:

9) 0.242 ; 0.468 ; 0.919 ; 0.786	10) 0.17 ; 0.10 ; 0.16 ; 0.409
11) 0.36 ; 0.172 ; 0.85 ; 0.103	12) 0.831 ; 0.19 ; 0.939 ; 0.430
13) 0.38 ; 0.075 ; 0.79 ; 0.44	14) 0.873 ; 0.181 ; 0.44 ; 0.68
15) 0.25 ; 0.337 ; 0.801 ; 0.68	16) 0.31 ; 0.198 ; 0.88 ; 0.448



Answers...

9) 0.919 ; 0.468 ; 0.242 ; 0.786 0.919 ; 0.786 ; 0.468 ; 0.242	10) 0.16 ; 0.409 ; 0.17 ; 0.10 0.409 ; 0.17 ; 0.16 ; 0.10
11) 0.103 ; 0.36 ; 0.85 ; 0.172 0.85 ; 0.36 ; 0.172 ; 0.103	12) 0.430 ; 0.19 ; 0.831 ; 0.939 0.939 ; 0.831 ; 0.430 ; 0.19
13) 0.79 ; 0.075 ; 0.38 ; 0.44 0.79 ; 0.44 ; 0.38 ; 0.075	14) 0.873 ; 0.44 ; 0.181 ; 0.68 0.873 ; 0.68 ; 0.44 ; 0.181
15) 0.25 ; 0.801 ; 0.337 ; 0.68 0.801 ; 0.68 ; 0.337 ; 0.25	16) 0.448 ; 0.198 ; 0.88 ; 0.31 0.88 ; 0.448 ; 0.31 ; 0.198

You do...



$$5) \quad 3 \frac{4}{5} \times 3 \frac{1}{4} =$$

$$6) \quad 2 \frac{3}{10} \times 4 \frac{1}{2} =$$

$$7) \quad 3 \frac{3}{5} \times 4 \frac{1}{3} =$$

$$8) \quad 3 \frac{3}{5} \times 3 \frac{1}{3} =$$

$$9) \quad 3 \frac{1}{2} \times 2 \frac{2}{5} =$$

$$10) \quad 2 \frac{1}{2} \times 4 \frac{3}{5} =$$

$$11) \quad 3 \frac{1}{2} \times 2 \frac{1}{3} =$$

$$12) \quad 4 \frac{1}{4} \times 2 \frac{7}{10} =$$

$$13) \quad 2 \frac{1}{2} \times 3 \frac{1}{2} =$$

$$14) \quad 2 \frac{1}{2} \times 3 \frac{3}{5} =$$

$$15) \quad 4 \frac{1}{2} \times 2 \frac{1}{4} =$$

Answers:



$$\begin{array}{l} 5) \quad 3\frac{4}{5} \times 3\frac{1}{4} = \frac{19}{5} \times \frac{13}{4} = \frac{247}{20} = 12\frac{7}{20} \\ 6) \quad 2\frac{3}{10} \times 4\frac{1}{2} = \frac{23}{10} \times \frac{9}{2} = \frac{207}{20} = 10\frac{7}{20} \\ 7) \quad 3\frac{3}{5} \times 4\frac{1}{3} = \frac{18}{5} \times \frac{13}{3} = \frac{234}{15} = \frac{78}{5} = 15\frac{3}{5} \\ 8) \quad 3\frac{3}{5} \times 3\frac{1}{3} = \frac{18}{5} \times \frac{10}{3} = \frac{180}{15} = 12 \\ 9) \quad 3\frac{1}{2} \times 2\frac{2}{5} = \frac{7}{2} \times \frac{12}{5} = \frac{84}{10} = \frac{42}{5} = 8\frac{2}{5} \\ 10) \quad 2\frac{1}{2} \times 4\frac{3}{5} = \frac{5}{2} \times \frac{23}{5} = \frac{115}{10} = \frac{23}{2} = 11\frac{1}{2} \end{array}$$

Answers ...



$$\begin{array}{l} 11) \quad 3 \frac{1}{2} \times 2 \frac{1}{3} = \frac{7}{2} \times \frac{7}{3} = \frac{49}{6} = 8 \frac{1}{6} \\ 12) \quad 4 \frac{1}{4} \times 2 \frac{7}{10} = \frac{17}{4} \times \frac{27}{10} = \frac{459}{40} = 11 \frac{19}{40} \\ 13) \quad 2 \frac{1}{2} \times 3 \frac{1}{2} = \frac{5}{2} \times \frac{7}{2} = \frac{35}{4} = 8 \frac{3}{4} \\ 14) \quad 2 \frac{1}{2} \times 3 \frac{3}{5} = \frac{5}{2} \times \frac{18}{5} = \frac{90}{10} = 9 \\ 15) \quad 4 \frac{1}{2} \times 2 \frac{1}{4} = \frac{9}{2} \times \frac{9}{4} = \frac{81}{8} = 10 \frac{1}{8} \end{array}$$



Q13.

$$66\% \text{ of } 3,000 = \boxed{}$$

1 mark

Q14.

$$1^3 + 7^2 = \boxed{}$$

1 mark

Q15.

$$3^3 = \boxed{}$$

1 mark

Q16.

$$\frac{1}{5} \div 2 = \boxed{}$$

1 mark



Q13.

1980

[1]

Q14.

50

[1]

Q15.

27

[1]

Q16.

$\frac{1}{10}$

[1]

What have you learnt from this lesson?

What would you like more practice with going forward?