



22.11.21

MPI: writing and understanding decimals.

1. 'Colour in 1.6 litres of juice.'



2. 'Represent the following numbers using Cuisenaire® rods. Sketch your answers.'

1.4    2.0    3.7    4.2

- 3.

1,000s	100s	10s	1s	0.1s

4. Converting between common fractions/mixed numbers and decimal fractions:

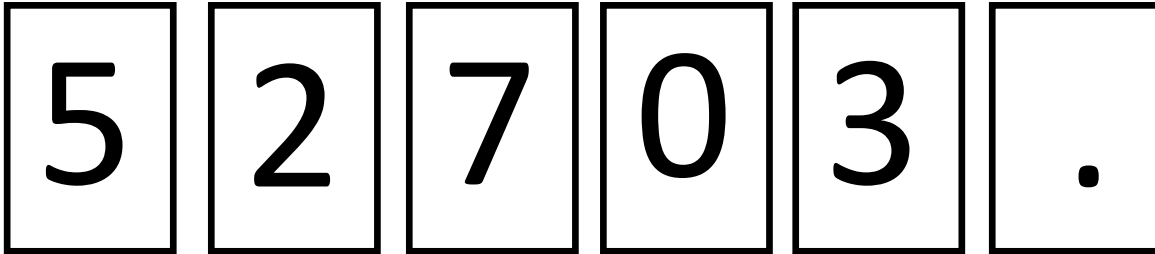
'Complete the table.'

$\frac{3}{10}$	0.3
$\frac{7}{10}$	
	1.0
$302\frac{4}{10}$	
	1,056.9



22.11.21

*MPI: writing and understanding decimals*



*Use these digit cards to make numbers that fit the following rules. You can only use each card once.*

- 1. A number with a place holder in the tens column*
- 2. A four digit number with a decimal*
- 3. A decimal greater than 100.*
- 4. The largest decimal number you can make.*
- 5. The smallest decimal number possible.*



22.11.21

*MPI: writing and understanding tenths — chilli challenge*

*Sally says she can think of four numbers, between one and five, that each have two digits which sum to eight. What numbers is Sally thinking of?*



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*MPI: writing and understanding decimals — chilli challenge*

*Sally says she can think of four numbers, between one and five, that each have two digits which sum to eight. What numbers is Sally thinking of?*



23.11.21

MPI: ordering and comparing tenths

1. 'Fill in the missing symbols (< > or =).'

$0.7 \bigcirc 0.4$

$1.0 \bigcirc 1$

$1.7 \bigcirc 1.4$

$0.6 \bigcirc 1.6$

$0.2 \bigcirc 2.0$

$1.6 \bigcirc 0.9$

$0.4 \bigcirc 4.0$

$0.2 \bigcirc 2$

$9 \bigcirc 9.0$

$14 \bigcirc 1.4$

2. 'Put these numbers in order from the smallest to the largest.'

131    0    1.3    3    13    0.3    13.1

smallest

largest

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3. Place the numbers in descending order

145    3    14.2    1.4    14    17.3    0.5





23.11.21

*MPI: ordering and comparing tenths — chilli challenge*

*A number rounded to the nearest whole is 4.  
What could my number have been?*



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*MPI: ordering and comparing tenths — chilli challenge*

*A number rounded to the nearest whole is 4.  
What could my number have been?*



24.11.21

MPI: composition of decimal numbers.

1. *'Fill in the missing numbers.'*

$$1.8 = 1 + \square$$

$$3.6 = \square + 0.6$$

$$1.8 = \square + 0.8$$

$$3.6 = 3 + \square$$

2. *'Fill in the missing numbers and words.'*

$$3 \times 0.1 = 0.3 \quad \text{three } 0.1\text{s}$$

$$4 \times 0.1 = 0.4 \quad \text{_____ } 0.1\text{s}$$

$$5 \times 0.1 = \square \quad \text{five } 0.1\text{s}$$

$$10 \times 0.1 = \square \quad \text{ten } 0.1\text{s}$$

$$11 \times 0.1 = \square \quad \text{_____ } 0.1\text{s}$$

$$12 \times 0.1 = \square \quad \text{twelve } 0.1\text{s}$$

$$22 \times 0.1 = \square \quad \text{_____ } 0.1\text{s}$$

$$23 \times 0.1 = \square \quad \text{twenty-three } 0.1\text{s}$$



24.11.21

MPI: