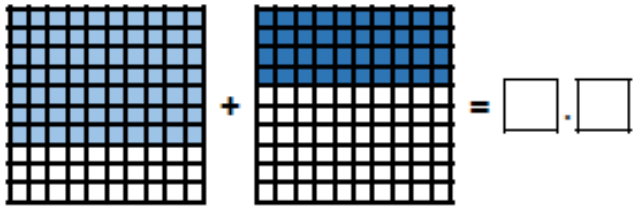
Bronze

1a. Use the hundredth squares to complete the calculation below.

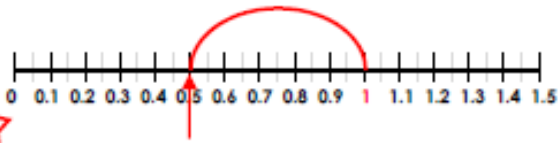


Use complements to 1 to help you.

D VF

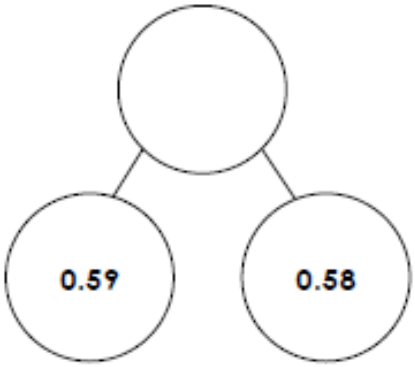
2a. Use partitioning to find a complement to 1 and the number line to solve the calculation.

0.5 + 0.75



D VF

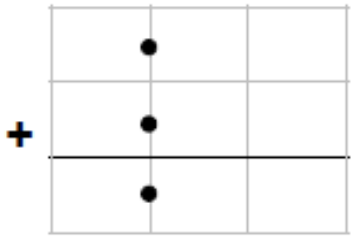
3a. Complete the part whole model.



D VF

4a. Complete the addition:

0.35 + 0.67



1b. Ben has 2 bottles of milk which contain 1.15L altogether.

One of the bottles is shown below.

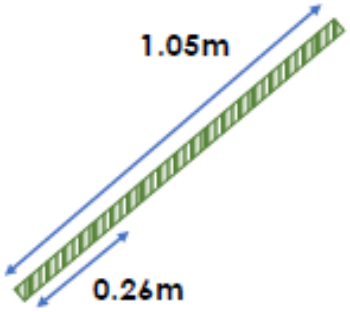
0.62L

Ben thinks the other bottle contains 0.43L.

Is he correct? Convince me.

D R

2b. Calculate the missing length on the cable.



D PS

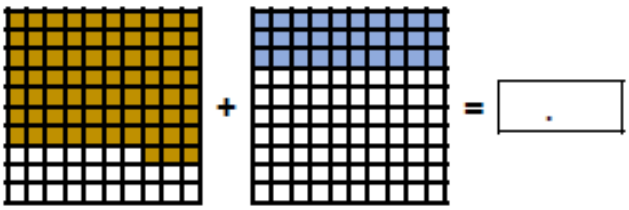
3b. Compare the calculations below and complete using any of the following symbols:

> =

0.89 + 0.93		0.91 + 0.91
0.23 + 0.78		0.12 + 0.89
0.48 + 0.84		0.95 + 0.32

Silver

5a. Use the hundredth squares to complete the calculation below.



Use complements to 1 to help you.

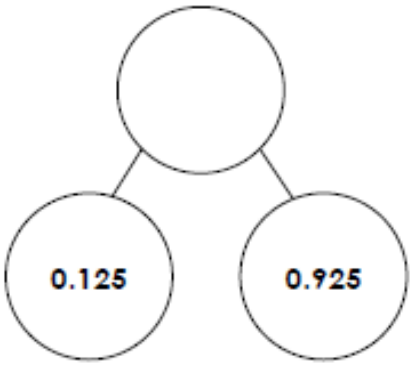
VF

6a. Use partitioning to find a complement to 1 and the number line to solve the calculation.

0.625 + 0.575

VF

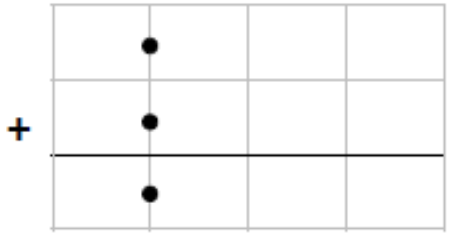
7a. Complete the part whole model.



VF

8a. Complete the addition:

0.653 + 0.373



VF

4b. Ali has 2 bottles of lemonade which contain 1.567L altogether.

One of the bottles is shown below.

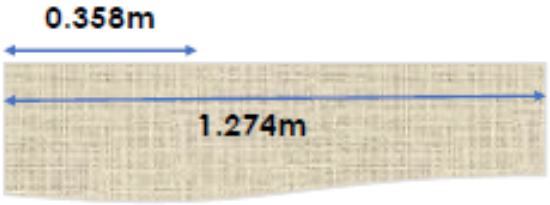
0.728L

Ali thinks the other bottle contains 0.939L.

Is he correct? Convince me.

R

5b. Calculate the missing length on the material.



PS

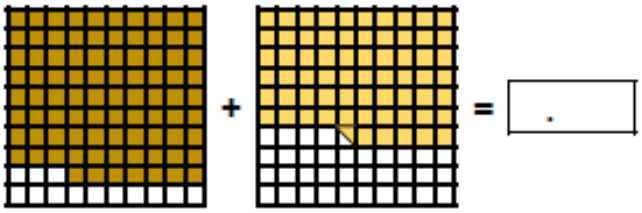
6b. Compare the calculations below and complete using any of the following symbols:

< > =

0.903	+ 0.098		0.576	+ 0.583
0.835	+ 0.645		0.243	+ 0.792
0.432	+ 0.975		0.231	+ 0.793
0.321	+ 0.849		0.365	+ 0.909

Gold

9a. Use the hundredth squares to complete the calculation below.



Use complements to 1 to help you.

VF

10a. Use partitioning to find a complement to 1 and the number line to solve the calculation.

0 ones, 52 hundredths and 5 thousandths

+

0.775

VF

11a. Complete the bar model.

?	
0.923	0 ones, 9 tenths and 75 thousandths

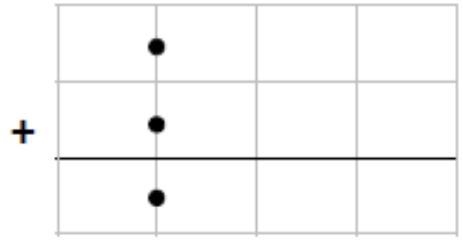
VF

12a. Complete the addition:

0 ones, 7 tenths and 16 thousandths

+

0.497



VF

7b. Jay has 2 bottles of fizzy water which contain 1L + 820ml +14ml altogether.

One of the bottles is shown below.

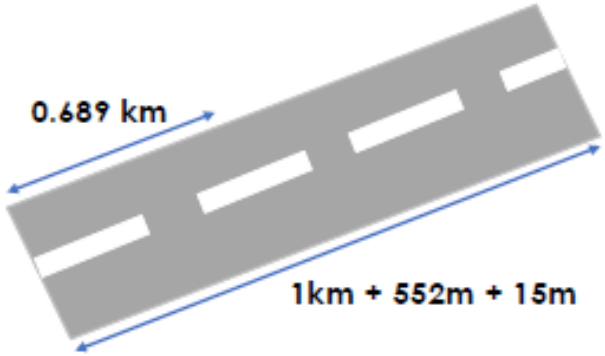
0.958L

Jay thinks the other bottle contains 866ml.

Is he correct? Convince me.

R

8b. Calculate the missing length on the road.



PS

9b. Compare the calculations below and complete using any of the following symbols:

< > =

1 one, 8 tenths and 67 thousandths		0.917 + 0.895
1 one, 49 hundredths and 6 thousandths		0.638 + 0.784
1 one, 6 tenths and 93 thousandths		0.896 + 0.799

Challenge

1. Take a look at the additions below. Use the number cards provided to complete the sums. You must make sure at least 1 exchange occurs.

You can use each number card up to two times in each sum (numbers already shown do not count).

A.

$$\begin{array}{r} 0.\square\square\square \\ +\ 0.\square\square\square \\ \hline \square.\square\square\square \end{array}$$

B.

$$\begin{array}{r} 0.7\square 0 \\ +\ 0.9\square\square \\ \hline \square.\square\square\square \end{array}$$

0	1	2	3	4	5	6	7	8	9

2. Charlie has a small suitcase that can carry a maximum weight of 2.00 kg. He has already packed his favourite toy which weighs 0.191 kg and some essentials which weigh 0.341 kg more. He also wants to pack some gifts.

How many different gifts could he take with him without going over his limit?

0.399 kg

0.392 kg

0.212 kg

0.417 g

0.581 kg

331 g

211 g

1.11 kg