Varied Fluency Step 4: Add and Subtract Mass

National Curriculum Objectives:

Mathematics Year 3: (3M1b) Compare mass (kg/g) Mathematics Year 3: (3M2b) Measure mass (kg/g)

Differentiation:

Developing Questions to support adding and subtracting masses of 2 items, using various representations. Measures given in both kg and g, with no conversions within questions; multiples of 100.

Expected Questions to support adding and subtracting masses of up to 3 items, using various representations. Measures given in both kg and g, with some exchanging and crossing tens; multiples of 5 where some measures are represented as fractions i.e. $2 \frac{1}{2}$ kg. Greater Depth Questions to support adding and subtracting masses of up to 3 items, using various representations. Measures given in both kg and g of any number, with exchanging and crossing tens where some measures are represented as fractions i.e. $2 \frac{1}{2}$ kg.

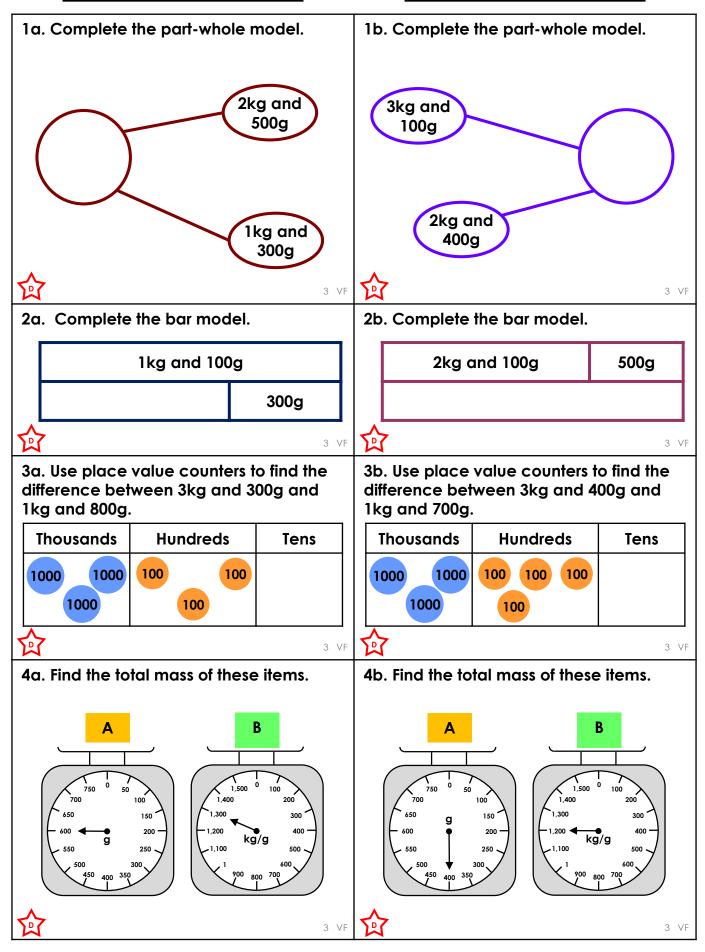
More Year 3 and Year 4 Mass and Capacity resources.

Did you like this resource? Don't forget to <u>review</u> it on our website.



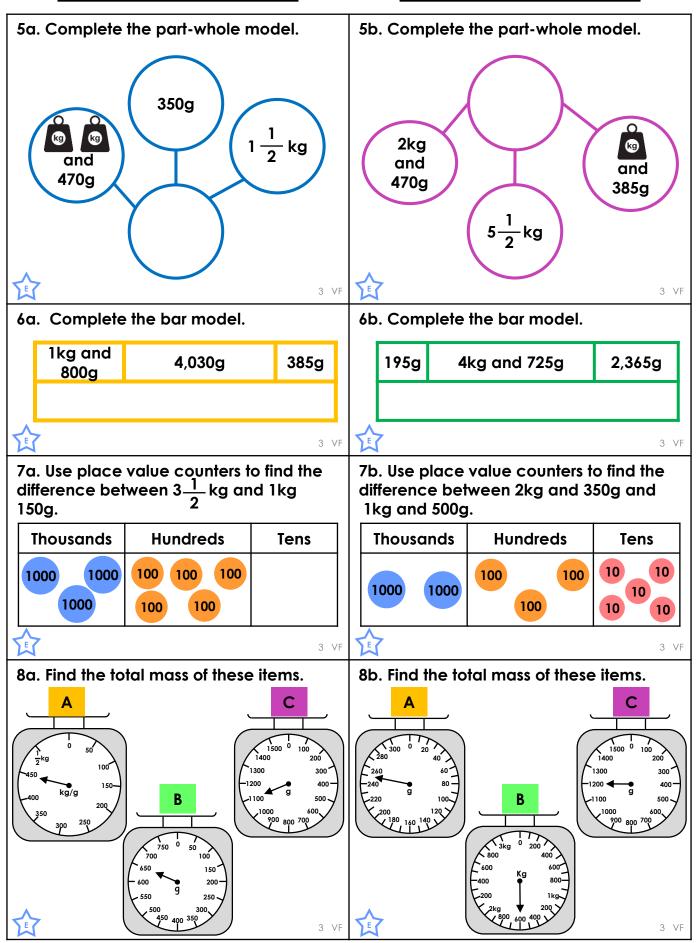
Add and Subtract Mass

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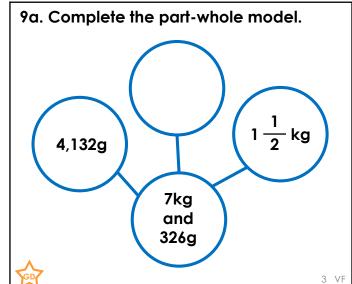
Add and Subtract Mass



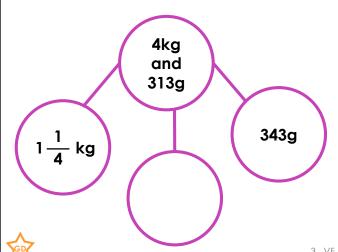
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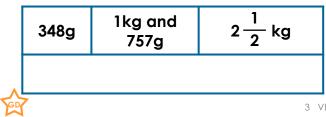
9b. Complete the part-whole model.



10a. Complete the bar model.



10b. Complete the bar model.



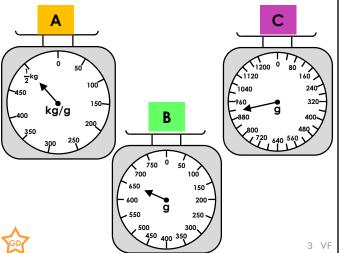
11a. Use place value counters to find the difference between 3kg 432g and 2kg 824g.

Thousands	Hundreds		Tens	Ones
1000	100	100	10	1
CON CONTRACTOR OF THE CONTRACT	100	100		

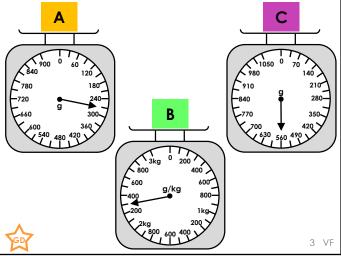
11b. Use place value counters to find the difference between 2kg 521g and 924g.

Thousands	Hundreds		Tens	Ones
1000 1000	100	100	10	1
	100	100		

12a. Find the total mass of these items.



12b. Find the total mass of these items.



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Developing

1a. 3kg and 800g

2a. 800g

3a. 1kg and 500g

4a. 1kg and 900g

Expected

5a. 4kg and 320g

6a. 6kg and 215g

7a. 2kg and 350g

8a. 2kg and 200g

Greater Depth

9a. 1kg and 694g

10a. 3kg and 851g

11a. 608g

12a. 2kg and 70g

Developing

1b. 5kg and 500g

2b. 2kg and 600g

3b. 1kg and 700g

4b. 1kg and 600g

Expected

5b. 9kg and 355g

6b. 7kg and 285g

7b. 850g

8b. 2kg and 50g

Greater Depth

9b. 2kg and 720g

10b. 4kg and 605g

11b. 1kg and 597g

12b. 3kg and 130g