

Varied Fluency

Step 1: Compare Mass

National Curriculum Objectives:

Mathematics Year 2: (2M1) [Compare and order lengths, mass, volume/capacity and record the results using \$>\$, \$<\$ and \$=\$](#)

Differentiation:

Developing Questions to support comparing the mass of two individual objects.

Expected Questions to support comparing the mass of different objects, including multiple sets of each object.

Greater Depth Questions to support comparing the mass of combinations of different objects, including multiple sets of each object.

More [Year 2 Mass, Capacity and Temperature](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Compare Mass

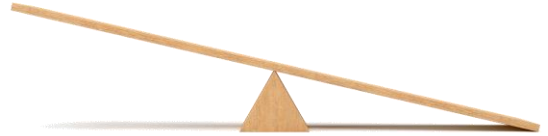
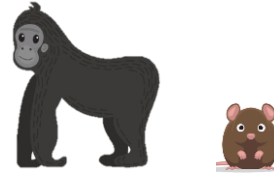
1a. Draw lines to show which side of the balance the objects belong.



VF

Compare Mass

1b. Draw lines to show which side of the balance the objects belong.



VF

2a. Use the words 'more' or 'less' to complete the sentence.

A car weighs _____
than a bike.



VF

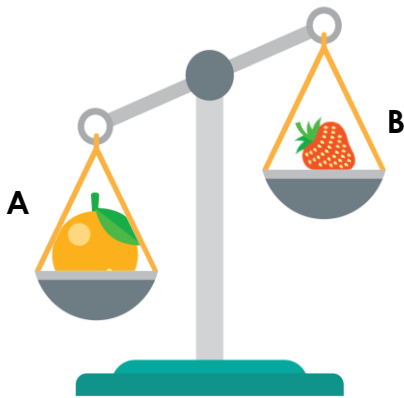
2b. Use the words 'more' or 'less' to complete the sentence.

A balloon weighs _____
than a rugby ball.



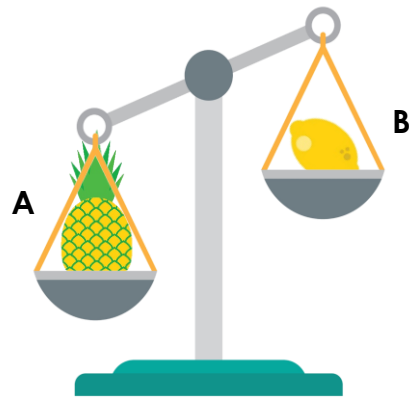
VF

3a. Which is lighter? Which is heavier?



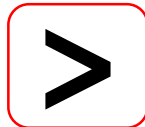
VF

3b. Which is lighter? Which is heavier?



VF

4a. When comparing mass, which symbol could you swap for the underlined words?

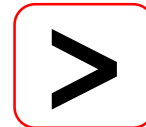
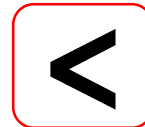


A tree is heavier than
a flower.



VF

4b. When comparing mass, which symbol could you swap for the underlined words?



A pencil is lighter than
a glue stick.



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Compare Mass

5a. Draw lines to show which side of the balance the objects belong.



VF

Compare Mass

5b. Draw lines to show which side of the balance the objects belong.



VF

6a. Use the words 'more' or 'less' to complete the sentence.

A pair of shoes weighs _____ than a pair of socks.



VF

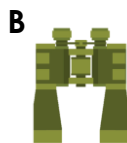
6b. Use the words 'more' or 'less' to complete the sentence.

Two empty cups weigh _____ than two full cups.



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7a. Order these objects from heaviest to lightest.



VF

7b. Order these objects from lightest to heaviest.



VF

8a. When comparing mass, which symbol could you swap for the underlined words?



A phone is lighter than a laptop.

Sunglasses are heavier than a hat.



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8b. When comparing mass, which symbol could you swap for the underlined words?



A book is heavier than a teddy.

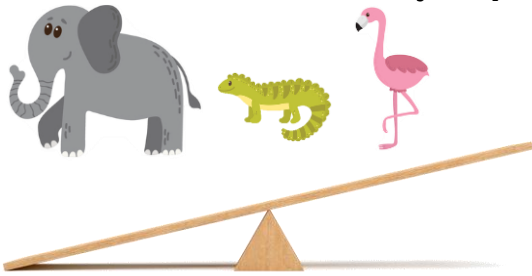
A chair is lighter than a table.



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Compare Mass

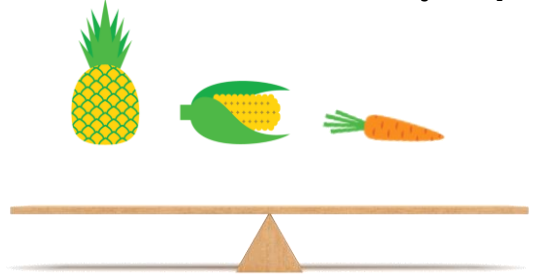
9a. Draw lines from the objects to show which side of the balance they belong. (You can use some or all the objects)



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Compare Mass

9b. Draw lines from the objects to show which side of the balance they belong. (You can use some or all the objects)



VF

10a. Use the words 'more' or 'less' to complete the sentence.

A T-shirt and a pair of socks weigh _____ than a coat.



VF

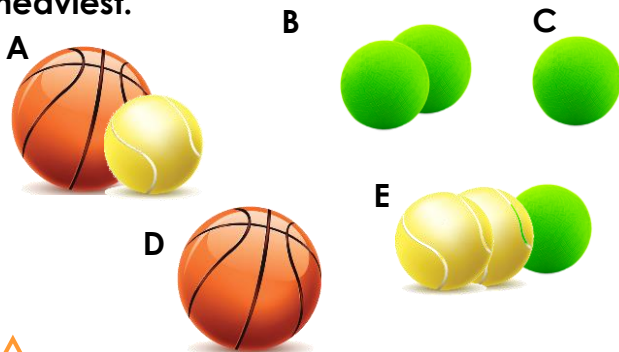
10b. Use the words 'more' or 'less' to complete the sentence.

A pair of earrings and a ring weigh _____ than a watch.



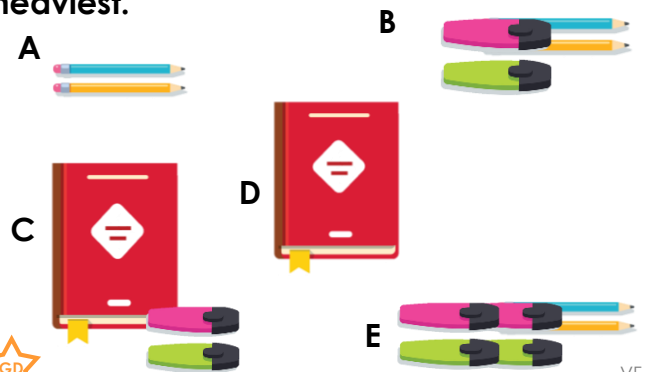
VF

11a. Order these objects from lightest to heaviest.



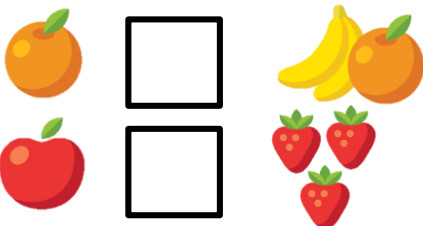
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11b. Order these objects from lightest to heaviest.



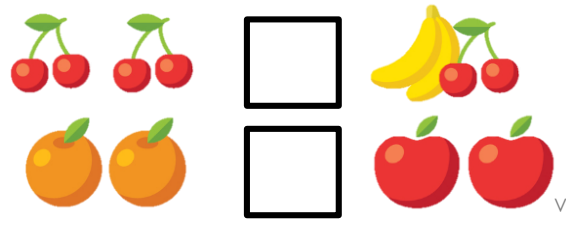
VF

12a. Which symbol could you use to fill in the gap?



VF

12b. Which symbol could you use to fill in the gap?



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Developing

- 1a. Hippo on the left and frog on the right.
- 2a. More
- 3a. The strawberry (B) is lighter. The orange (A) is heavier.
- 4a. >

Expected

- 5a. Tomatoes on the left and pumpkin on the right.
- 6a. More
- 7a. Rucksack (A) , Guitar (D), Binoculars (B), Cup (C)
- 8a. <, >

Greater Depth

- 9a. Answers may vary but could include: elephant on the left with lizard and flamingo on the right.
- 10a. Less
- 11a. sponge ball (C), 2 sponge balls (B), 2 tennis balls and a sponge ball (E), basketball (D), basketball and tennis ball (A)
- 12a. <, >

Varied Fluency Compare Mass

Developing

- 1b. Mouse on the left and gorilla on the right.
- 2b. Less
- 3b. The lemon (B) is lighter. The pineapple (A) is heavier.
- 4b. <

Expected

- 5b. Cupcake on the left and chocolates on the right.
- 6b. Less
- 7b. Moped (C), Car (B), Bus (D), Train (A)
- 8b. >, <

Greater Depth

- 9b. Answers may vary but could include: pineapple on the left with sweetcorn and carrot on the right.
- 10b. Less
- 11b. 2 pencils (A), 2 pencils and 2 highlighters (B), 2 pencils and 4 highlighters (E), a book (D), a book and 2 highlighters (C)
- 12b. <, =