

Varied Fluency

Step 1: Introduce Weight and Mass

National Curriculum Objectives:

Mathematics Year 1: (1M1) [Compare, describe and solve practical problems for: mass/weight \[for example, heavy/light, heavier than, lighter than\]](#)

Mathematics Year 1: (1M2) [Measure and begin to record: mass/weight](#)

Differentiation:

Developing Questions to support developing their understanding of weight and mass. Using a seesaw scale. Including language of heavier and lighter.

Expected Questions to support developing their understanding of weight and mass. Using a balance scale. Including language of heavier, equal and lighter.

Greater Depth Questions to support developing their understanding of weight and mass. Using a balance scale and instances where the weight of two objects must be used to determine the weight of another object. Including language of heavier, equal and lighter.

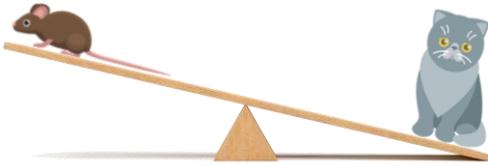
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Introduce Weight and Mass

Introduce Weight and Mass

1a. Tick the correct statement.



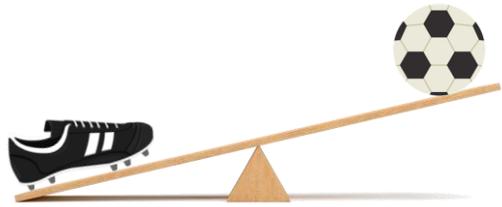
The mouse is the heaviest.

The cat is the heaviest.



VF

1b. Tick the correct statement.



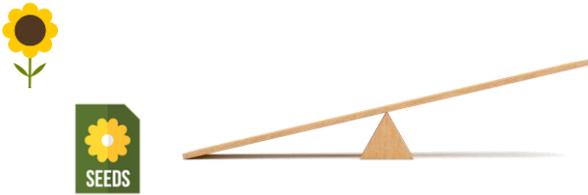
The ball is the lightest.

The boot is the lightest.



VF

2a. The flower is heavier than the seeds.



Draw them in the correct place on the scales.



VF

2b. The mitten is lighter than the hat.



Draw them in the correct place on the scales.



VF

3a. Circle the word that describes the weight of the sock.



heavier

lighter



VF

3b. Circle the word that describes the weight of the apple.



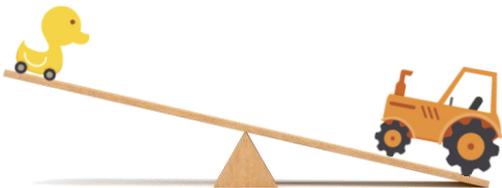
lighter

heavier



VF

4a. Use the scale to complete the sentence below.



The truck is _____ than the duck.

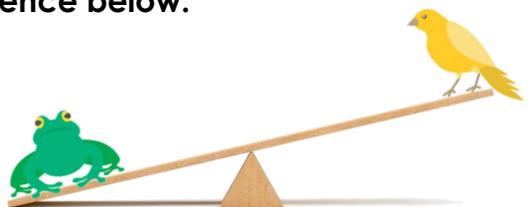
lighter

heavier



VF

4b. Use the scale to complete the sentence below.



The bird is _____ than the frog.

lighter

heavier



VF

Introduce Weight and Mass

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5a. Tick the correct statement.



The ball is heavier than the button.

The button is heavier than the ball.



VF

5b. Tick the correct statement.



The chick is lighter than the duck.

The duck is lighter than the chick.



VF

6a. The bee is lighter than the bird.

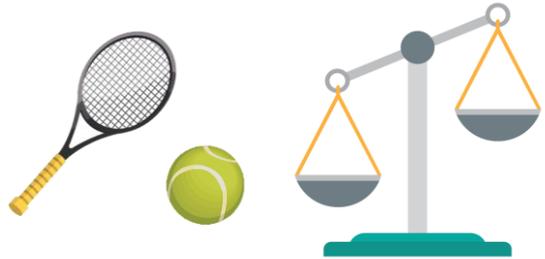


Draw them in the correct place on the scales.



VF

6b. The racket is heavier than the ball.



Draw them in the correct place on the scales.



VF

7a. Circle the word that describes the weight of the cupcakes.



heavier

equal

lighter



VF

7b. Circle the word that describes the weight of the pineapple.



heavier

equal

lighter



VF

8a. Use the scale to complete the sentence below.



The banana is _____ than the sweet.



VF

8b. Use the scale to complete the sentence below.



The fish is _____ than the snail.

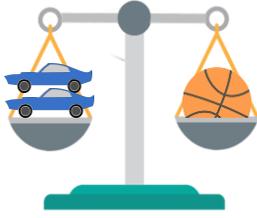


VF

Introduce Weight and Mass

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9a. Tick the correct statement.



1 car is heavier than 1 ball.

1 ball is heavier than 1 car.



VF

9b. Tick the correct statement.



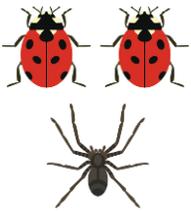
1 robot is lighter than 1 teddy.

1 teddy is lighter than 1 robot.



VF

10a. 1 ladybird is an equal weight to 1 spider.



Draw the insects above in correct place on the scales.



VF

10b. 1 toy dinosaur is an equal weight to 1 toy dog.



Draw the toys above in correct place on the scales.



VF

11a. Circle the word that would describe the weight of 2 pears.



heavier

equal

lighter



VF

11b. Circle the word that would describe the weight of 1 orange.



heavier

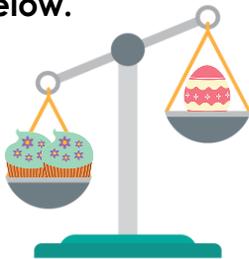
equal

lighter



VF

12a. Use the scale to complete the sentence below.

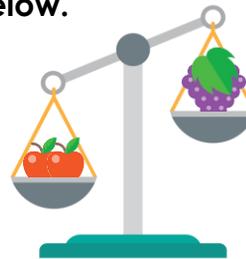


The _____ are heavier than the _____.



VF

12b. Use the scale to complete the sentence below.



The _____ are lighter than the _____.



VF

Varied Fluency Introduce Weight and Mass

Developing

1a. **The cat is the heaviest.**

2a.



3a. **lighter**

4a. **heavier**

Expected

5a. **The ball is heavier than the button.**

6a.



7a. **equal**

8a. **heavier**

Greater Depth

9a. **1 ball is heavier than 1 car.**

10a.



11a. **heavier**

12a. **The cupcakes are heavier than the egg.**

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Developing

1b. **The ball is the lightest.**

2b.



3b. **heavier**

4b. **lighter**

Expected

5b. **The chick is lighter than the duck.**

6b.



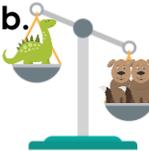
7b. **heavier**

8b. **lighter**

Greater Depth

9b. **1 robot is lighter than 1 teddy.**

10b.



11b. **lighter**

12b. **The grapes are lighter than the apples.**