



Mass - Heavy & Light

Year 1 Mathematics - Worksheet 31

Name: _____ Date: _____

Section 1: Heavy or Light?

Look at each pair of objects. Circle the one that is heavier.

1. Which is heavier?



Feather

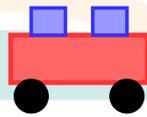


Rock

2. Which is heavier?



Pencil



Car

3. Which is heavier?



Apple



Watermelon

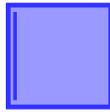
Now circle the object that is LIGHTER.



4. Which is lighter?



Balloon

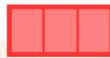


Book

5. Which is lighter?



Leaf



Brick

Mass Master!

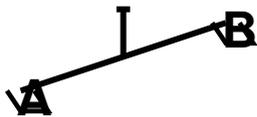
Joke Time: What do you call a sleeping bull?
A bulldozer!



Section 2: The Balance Scale

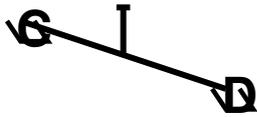
Look at each balance scale. Answer the questions.

6. Which side is heavier?



The heavier side is: _____ (Write A or B)

7. Which side is lighter?



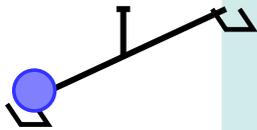
The lighter side is: _____ (Write C or D)

8. This scale is balanced (level). Are the two objects the same weight?



Answer: _____ (Yes or No)

9. Look at this balance scale:



Which side has the heavy object? _____ (Left or Right)

10. Draw a small box on the RIGHT pan to show it is heavier than the left side.



Heavyweight Hero!

Joke Time: Why don't elephants use computers?
They're afraid of the mouse!





Section 3: Challenge - Thinking About Mass

Think carefully and answer these questions!

11. Draw something that is heavier than a shoe.



12. Draw something that is lighter than a book.



13. Put these objects in order from **LIGHTEST** to **HEAVIEST**:

Elephant, Feather, Book

Lightest: _____

Middle: _____

Heaviest: _____

14. Circle **TRUE** or **FALSE**:

A car is lighter than a pencil.

TRUE

FALSE



15. Circle TRUE or FALSE:

A watermelon is heavier than an apple.

TRUE

FALSE

Mass Master!

Joke Time: What's the lightest thing in the world?

A feather? No - a thought!





Answer Key

Year 1 Mathematics - Worksheet 31

Section 1: Heavy or Light?

1. Rock (heavier than feather)
2. Car (heavier than pencil)
3. Watermelon (heavier than apple)
4. Balloon (lighter than book)
5. Leaf (lighter than brick)

Section 2: The Balance Scale

6. A (the side that is down/lower)
7. C (the side that is up/higher)
8. Yes (balanced means equal weight)
9. Left (the ball makes the left side heavier/lower)
10. Student should draw an object on the right pan (showing understanding that heavy objects make the pan go down)

Section 3: Challenge - Thinking About Mass

11. Student drawing - accept any reasonable heavy object (e.g., chair, table, rock, elephant)
12. Student drawing - accept any reasonable light object (e.g., feather, leaf, paper, balloon)
13. Lightest: Feather; Middle: Book; Heaviest: Elephant
14. FALSE (car is heavier than pencil)
15. TRUE (watermelon is heavier than apple)



Mass - Measuring Weight

Year 1 Mathematics - Worksheet 32

Name: _____ Date: _____

Section 1: Weighing with Blocks

Look at the balance scales. Count how many blocks each object weighs.

1. How many blocks does the toy car weigh?



Answer: The toy car weighs _____ blocks.

2. How many blocks does the ball weigh?



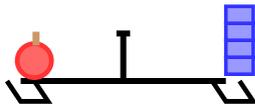
Answer: The ball weighs _____ blocks.

3. How many blocks does the book weigh?



Answer: The book weighs _____ blocks.

4. How many blocks does the apple weigh?



Answer: The apple weighs _____ blocks.

Heavyweight Hero!

Joke Time: Why did the cookie go to the doctor?
Because it felt crumbly!



Section 2: Comparing Weights

Look at the two scales. Answer the questions.

5. Which fruit is heavier?

Scale 1: Apple



Apple = 3 blocks

Scale 2: Banana



Banana = 5 blocks

Which fruit is heavier? _____

How do you know? _____

6. Which toy is lighter?



Teddy Bear = 10 blocks

Toy Car = 6 blocks

Answer: _____ is lighter.

7. Put these in order from LIGHTEST to HEAVIEST:

Pencil = 2 blocks, Book = 9 blocks, Apple = 4 blocks

Lightest: _____

Middle: _____

Heaviest: _____

Mass Master!

Joke Time: What do you call a train loaded with toffee?

A chew-chew train!



Section 3: Challenge - Word Problems

Read carefully and solve these problems!

8. A book weighs 10 marbles. A pencil weighs 2 marbles. How much heavier is the book than the pencil?

Number sentence:

$$10 - 2 = \underline{\hspace{2cm}}$$

Answer: The book is _____ marbles heavier.



9. A toy car weighs 5 blocks. A ball weighs 3 blocks. How many blocks do they weigh altogether?

Number sentence:

$$5 + 3 = \underline{\hspace{2cm}}$$

Answer: They weigh blocks altogether.

10. An apple weighs 4 marbles. A banana weighs 6 marbles. Which fruit is lighter?

Answer: The is lighter.

11. A box weighs 12 blocks. It is heavier than a ball that weighs 7 blocks. How much heavier is the box?

Number sentence:

$$12 - 7 = \underline{\hspace{2cm}}$$

Answer: The box is blocks heavier.

12. If a teddy bear weighs 8 blocks and you add a toy that weighs 4 blocks, how many blocks is the total weight?

Number sentence:

$$8 + 4 = \underline{\hspace{2cm}}$$

Answer: The total weight is blocks.



Heavyweight Hero!

Joke Time: Why are elephants wrinkled?
Have you ever tried to iron one?





Answer Key

Year 1 Mathematics - Worksheet 32

Section 1: Weighing with Blocks

1. 5 blocks
2. 3 blocks
3. 8 blocks
4. 4 blocks

Section 2: Comparing Weights

5. Banana is heavier; It weighs 5 blocks and the apple weighs 3 blocks (5 is more than 3)
6. Toy Car (6 blocks is less than 10 blocks)
7. Lightest: Pencil (2 blocks); Middle: Apple (4 blocks); Heaviest: Book (9 blocks)

Section 3: Challenge - Word Problems

8.

$$10 - 2 = 8$$

; The book is 8 marbles heavier

9.

$$5 + 3 = 8$$

; They weigh 8 blocks altogether

10. The apple is lighter (4 marbles is less than 6 marbles)



11.

$$12 - 7 = 5$$

; The box is 5 blocks heavier

12.

$$8 + 4 = 12$$

; The total weight is 12 blocks

