



TIMO practice: Balance scales (with solutions)

12 problems · Grade 1, 2, 3 · answers and solutions at the end

Name _____

Date _____



Practise this type in the Karotto app, with questions read aloud and hints when stuck. Scan the code or visit playkarotto.com

Grade 1

- 1 1 egg weighs the same as 2 fish, 1 fish weighs the same as 3 corn cobs. 1 egg weighs the same as how many corn cobs?



Answer: _____

- 2 1 apple weighs the same as 2 eggs, 1 egg weighs the same as 3 carrots. 1 apple weighs the same as how many carrots?



Answer: _____

- 3 1 flower weighs the same as 2 corn cobs, 1 strawberry weighs the same as 3 flowers. 1 strawberry weighs the same as how many corn cobs?



Answer: _____

- 4 1 carrot weighs the same as 3 corn cobs, 1 corn cob weighs the same as 2 flowers. 1 carrot weighs the same as how many flowers?



Answer: _____

Grade 2

- 5 1 egg weighs the same as 5 flowers, 1 mushroom weighs the same as 3 eggs. 1 mushroom weighs the same as how many flowers?



Answer: _____

- 6 1 corn cob weighs the same as 5 flowers, 1 flower weighs the same as 3 strawberries. 1 corn cob weighs the same as how many strawberries?



Answer: _____

- 7 1 carrot weighs the same as 3 eggs, 1 apple weighs the same as 5 carrots. 1 apple weighs the same as how many eggs?



Answer: _____

- 8 1 egg weighs the same as 4 strawberries, 1 strawberry weighs the same as 2 carrots. 1 egg weighs the same as how many carrots?



Answer: _____

Grade 3

- 9 1 carrot weighs the same as 4 fish, 1 fish weighs the same as 2 corn cobs, 1 corn cob weighs the same as 4 strawberries. 1 carrot weighs the same as how many strawberries?



Answer: _____

- 10 1 egg weighs the same as 3 apples, 1 apple weighs the same as 4 mushrooms. 1 egg weighs the same as how many mushrooms?



Answer: _____

- 11 1 mushroom weighs the same as 3 fish, 1 fish weighs the same as 2 apples, 1 apple weighs the same as 4 strawberries. 1 mushroom weighs the same as how many strawberries?



Answer: _____

- 12 1 egg weighs the same as 3 carrots, 1 carrot weighs the same as 3 apples, 1 apple weighs the same as 4 mushrooms. 1 egg weighs the same as how many mushrooms?



Answer: _____

Answers and solutions: Balance scales

1. Answer: 6 · Grade 1

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 egg weighs the same as 2 fish. Each fish weighs the same as 3 corn cobs. Swap them all: 3 plus 3 equals 6 corn cobs.

2. Answer: 6 · Grade 1

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 apple weighs the same as 2 eggs. Each egg weighs the same as 3 carrots. Swap them all: 3 plus 3 equals 6 carrots.

3. Answer: 6 · Grade 1

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 strawberry weighs the same as 3 flowers. Each flower weighs the same as 2 corn cobs. Swap them all: 2 plus 2 plus 2 equals 6 corn cobs.

4. Answer: 6 · Grade 1

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 carrot weighs the same as 3 corn cobs. Each corn cob weighs the same as 2 flowers. Swap them all: 2 plus 2 plus 2 equals 6 flowers.

5. Answer: 15 · Grade 2

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 mushroom weighs the same as 3 eggs, and each of those weighs the same as 5 flowers. So 1 mushroom weighs the same as 3 times 5, that is 15 flowers.

6. Answer: 15 · Grade 2

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 corn cob weighs the same as 5 flowers, and each of those weighs the same as 3 strawberries. So 1 corn cob weighs the same as 5 times 3, that is 15 strawberries.

7. Answer: 15 · Grade 2

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 apple weighs the same as 5 carrots, and each of those weighs the same as 3 eggs. So 1 apple weighs the same as 5 times 3, that is 15 eggs.

8. Answer: 8 · Grade 2

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 egg weighs the same as 4 strawberries, and each of those weighs the same as 2 carrots. So 1 egg weighs the same as 4 times 2, that is 8 carrots.

9. Answer: 32 · Grade 3

How to think: Swap each thing for the lighter one, one step at a time.

Solution: Swap 1 carrot step by step for lighter things: 4 times 2 times 4, that is 32 strawberries.

10. Answer: 12 · Grade 3

How to think: Swap each thing for the lighter one, one step at a time.

Solution: 1 egg weighs the same as 3 apples, and each of those weighs the same as 4 mushrooms. So 1 egg weighs the same as 3 times 4, that is 12 mushrooms.

11. Answer: 24 · Grade 3

How to think: Swap each thing for the lighter one, one step at a time.

Solution: Swap 1 mushroom step by step for lighter things: 3 times 2 times 4, that is 24 strawberries.

12. Answer: 36 · Grade 3

How to think: Swap each thing for the lighter one, one step at a time.

Solution: Swap 1 egg step by step for lighter things: 3 times 3 times 4, that is 36 mushrooms.
