

Relative Frequency

ANSWERS

1

A spinner is spun 10 times.
Find the relative frequency of red.

Red	Blue	Total
3	7	10



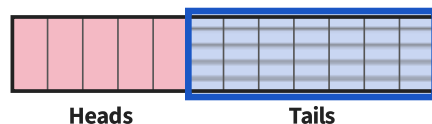
$$\text{Relative frequency} = \frac{3}{10}$$

3 times it happened
10 total trials

2

A coin is flipped 12 times.
Find the relative frequency of tails.

Heads	Tails	Total
5	7	12



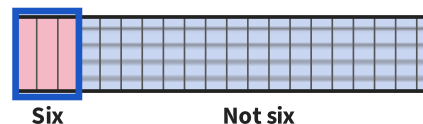
$$\text{Relative frequency} = \frac{7}{12}$$

7 times it happened
12 total trials

3

A dice is rolled 20 times.
Find the relative frequency of six.

Six	Not six	Total
3	17	20



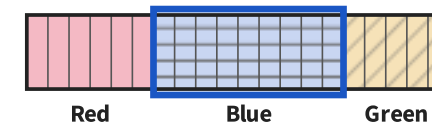
$$\text{Relative frequency} = \frac{3}{20}$$

3 times it happened
20 total trials

4

A counter is taken from a bag 20 times. Find the relative frequency of blue.

Red	Blue	Green	Total
6	9	5	20



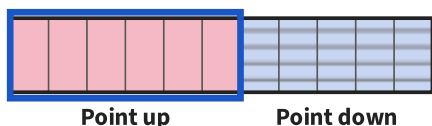
$$\text{Relative frequency} = \frac{9}{20}$$

9 times it happened
20 total trials

5

A drawing pin is dropped.
Find the relative frequency of point up.

Point up	Point down	Total
6	5	11



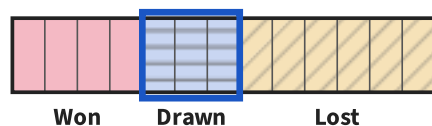
$$\text{Relative frequency} = \frac{6}{11}$$

6 times it happened
11 total trials

6

A team plays some games.
Find the relative frequency of drawn.

Won	Drawn	Lost	Total
4	3	6	13



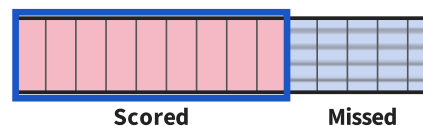
$$\text{Relative frequency} = \frac{3}{13}$$

3 times it happened
13 total trials

7

Mia throws a ball at a hoop.
Find the relative frequency of scoring.

Scored	Missed	Total
9	5	14



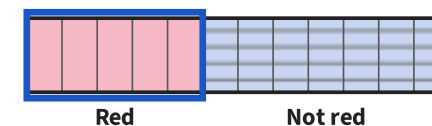
$$\text{Relative frequency} = \frac{9}{14}$$

9 times it happened
14 total trials

8

Each square is one spin.
Fill in the table. Find the relative frequency of red.

Red	Not red	Total
5	7	12



$$\text{Relative frequency} = \frac{5}{12}$$

5 times it happened
12 total trials

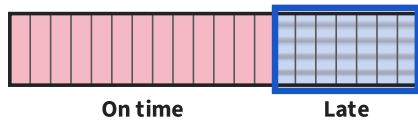
Relative Frequency *further practice*

ANSWERS

9

A bus is on time or late.
Find the relative frequency of late.

On time	Late	Total
13	7	20



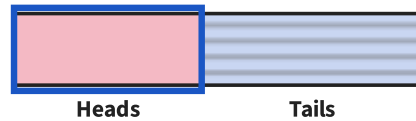
$$\text{Relative frequency} = \frac{7}{20}$$

7 times it happened
20 total trials

10

A coin is flipped. Find the relative frequency of heads.

Heads	Tails	Total
23	27	50



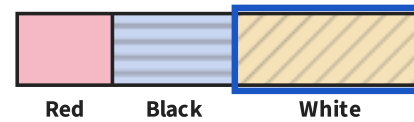
$$\text{Relative frequency} = \frac{23}{50}$$

23 times it happened
50 total trials

11

The colours of some cars are counted. Find the relative frequency of white.

Red	Black	White	Total
7	9	14	30



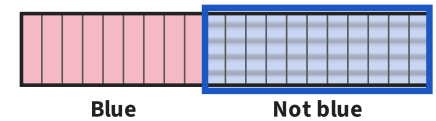
$$\text{Relative frequency} = \frac{14}{30}$$

14 times it happened
30 total trials

12

Ella takes a counter from a bag 20 times. She gets blue 9 times. Find the relative frequency of not blue.

Blue	Not blue	Total
9	11	20

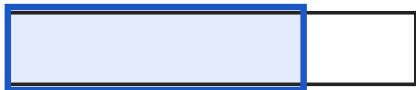


$$\text{Relative frequency} = \frac{11}{20}$$

11 times it happened
20 total trials

13

Kai takes 40 penalties.
He scores 29 of them.
Find the relative frequency of scoring.



29 out of 40

Answer $\frac{29}{40}$

14

Leo spins a spinner 10 times and gets red 3 times. Mo spins it 10 times and gets red 4 times. They put their results together. Find the relative frequency of red.



red 3 + 4 = 7, spins 10 + 10 = 20

Answer $\frac{7}{20}$

15

A coin is flipped 20 times.
The relative frequency of heads is $\frac{9}{20}$. How many tails were there?

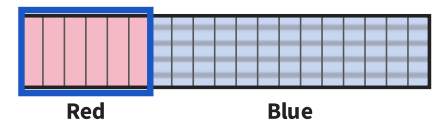


20 - 9 = 11

Answer 11

16

A spinner lands on red 6 times and blue 13 times. Sam says the relative frequency of red is $\frac{6}{13}$. What has he done wrong?



The bottom should be the total

Right answer $\frac{6}{19}$