

Rounding decimals

It is sometimes helpful to round decimals to the nearest whole number.

1

1.1 is closer to 1 than it is to 2, so 1.1 rounded to the nearest whole number is 1. If a number is exactly half way between two whole numbers, it is rounded up, e.g. 1.5 rounded to the nearest whole number is 2.

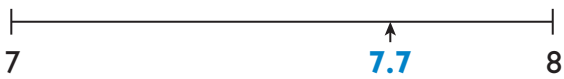
Look at the number lines and round to the nearest whole number.



1.9 rounded to the nearest whole number is .



3.3 rounded to the nearest whole number is .



7.7 rounded to the nearest whole number is .

2

Fill in the missing numbers.

1.4 rounded to the nearest whole number is .

3.4 rounded to the nearest whole number is .

4.5 rounded to the nearest whole number is .

9.6 rounded to the nearest whole number is .

3

The table shows the results of a singing competition.

The scores are rounded to the nearest whole number.

Work out which actual score belongs to each act. Choose from the scores below:

7.1

6.6

7.5

5.9

Results	Act	Actual Score	Rounded score
1st place	Eastlife		8
2nd place	Jessie G		7
3rd place	All Directions		7
4th place	Big Mix		6

4 Write **true** or **false** alongside each statement.

5.5 rounded to the nearest whole number is 6. _____

14.2 rounded to the nearest whole number is 15. _____

99.9 rounded to the nearest whole number is 100. _____

66.7 rounded to the nearest whole number is 68. _____

5 It can be useful to round numbers when estimating the answer to a calculation. Round the decimal numbers to the nearest whole number to estimate the answer.


$$4.5 \times 5.1 \longrightarrow 5 \times 5 = \boxed{}$$


$$1.2 + 3.6 \longrightarrow \boxed{} + \boxed{} = \boxed{}$$


$$9.9 \times 9.8 \longrightarrow \boxed{} \times \boxed{} = \boxed{}$$

$$98.2 - 16.4 \longrightarrow \boxed{} - \boxed{} = \boxed{}$$

6 Sally goes to the market. While her fruit and vegetables are being weighed out, she estimates what the total will be.

 Grapes:
1 kg for 50p

 Carrots:
1 kg for 40p

 Oranges:
1 kg for 50p

Sally's grapes weigh 0.9 kg.

Rounded to the nearest whole number that is kg.

Sally's carrots weigh 1.6 kg.

Rounded to the nearest whole number that is kg.

Sally's oranges weigh 2.4 kg.

Rounded to the nearest whole number that is kg.

Estimate the total cost for all of Sally's fruit and vegetables. £

How much did you do?

Circle a star to show how much you have done.



Questions 1–6