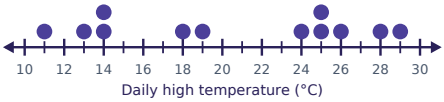
Task card 1

Dot Plots: Quartiles and Interquar...

The dot plot shows the high temperature in °C for 12 days. Each dot stands for one day. The same data as a list: S = [18, 25, 28, 29, 19, 11, 26, 24, 25, 13, 14, 14]. What is the first quartile (Q1) of the data?



Task card 2

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of goals scored for 13 matches. Each dot stands for one match. The same data as a list: S = [2, 5, 8, 9, 7, 4, 9, 0, 6, 7, 4, 0, 6]. What is the third quartile (Q3) of the data?



Task card 3

Dot Plots: Quartiles and Interquar...

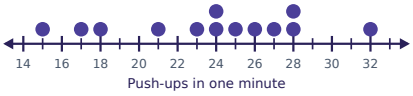
The dot plot shows the number of hours of sleep for 12 students. Each dot stands for one student. The same data as a list: S = [10, 10, 7, 12, 11, 8, 4, 9, 5, 12, 3, 8]. What is the interquartile range (IQR) of the data?



Task card 4

Dot Plots: Quartiles and Interquar...

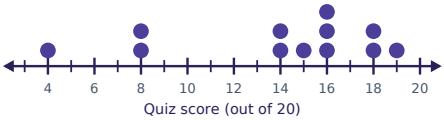
The dot plot shows the number of push-ups done in one minute for 13 students. Each dot stands for one student. The same data as a list: S = [17, 26, 18, 27, 21, 15, 28, 24, 23, 25, 28, 24, 32]. What is the first quartile (Q1) of the data?



Task card 5

Dot Plots: Quartiles and Interquar...

The dot plot shows the quiz score for 12 students. Each dot stands for one student. The same data as a list: S = [18, 18, 14, 15, 4, 16, 16, 8, 19, 16, 8, 14]. What is the third quartile (Q3) of the data?



Task card 6

Dot Plots: Quartiles and Interquar...

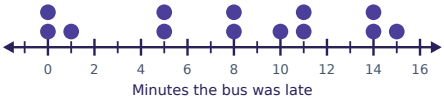
The dot plot shows the number of hours of sleep for 13 students. Each dot stands for one student. The same data as a list: S = [5, 8, 3, 12, 11, 12, 4, 4, 6, 10, 7, 8, 7]. What is the interquartile range (IQR) of the data?



Task card 7

Dot Plots: Quartiles and Interquar...

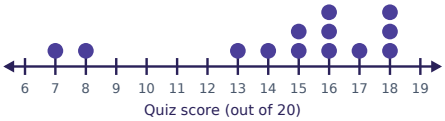
The dot plot shows the number of minutes the bus was late for 13 days. Each dot stands for one day. The same data as a list: S = [15, 10, 1, 5, 0, 14, 11, 8, 8, 0, 14, 11, 5]. What is the third quartile (Q3) of the data?



Task card 8

Dot Plots: Quartiles and Interquar...

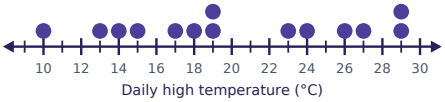
The dot plot shows the quiz score for 13 students. Each dot stands for one student. What is the first quartile (Q1) of the data?



Task card 9

Dot Plots: Quartiles and Interquar...

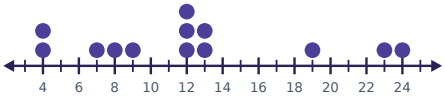
The dot plot shows the high temperature in °C for 14 days. Each dot stands for one day. What is the third quartile (Q3) of the data?



Task card 10

Dot Plots: Quartiles and Interquar...

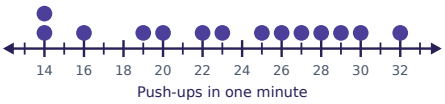
The dot plot shows the number of rainy days for 13 months. Each dot stands for one month. What is the interquartile range (IQR) of the data?



Task card 11

Dot Plots: Quartiles and Interquar...

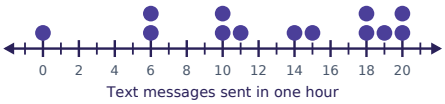
The dot plot shows the number of push-ups done in one minute for 14 students. Each dot stands for one student. What is the first quartile (Q1) of the data?



Task card 12

Dot Plots: Quartiles and Interquar...

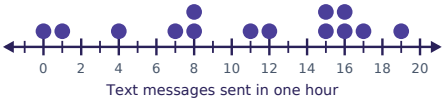
The dot plot shows the number of text messages sent in one hour for 13 teens. Each dot stands for one teen. What is the third quartile (Q3) of the data?



Task card 13

Dot Plots: Quartiles and Interquar...

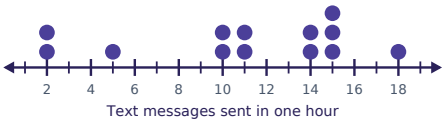
The dot plot shows the number of text messages sent in one hour for 14 teens. Each dot stands for one teen. What is the interquartile range (IQR) of the data?



Task card 14

Dot Plots: Quartiles and Interquar...

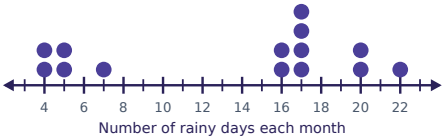
The dot plot shows the number of text messages sent in one hour for 13 teens. Each dot stands for one teen. What is the first quartile (Q1) of the data?



Task card 15

Dot Plots: Quartiles and Interquar...

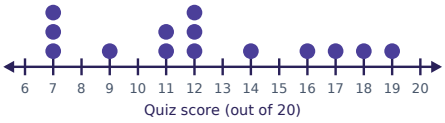
The dot plot shows the number of rainy days for 14 months. Each dot stands for one month. What is the third quartile (Q3) of the data?



Task card 16

Dot Plots: Quartiles and Interquar...

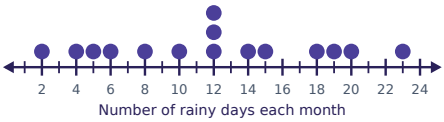
The dot plot shows the quiz score for 14 students. Each dot stands for one student. What is the first quartile (Q1) of the data?



Task card 17

Dot Plots: Quartiles and Interquar...

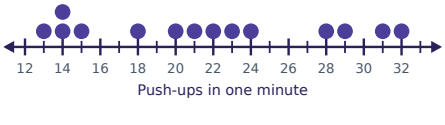
The dot plot shows the number of rainy days for 15 months. Each dot stands for one month. What is the third quartile (Q3) of the data?



Task card 18

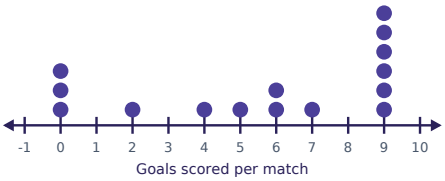
Dot Plots: Quartiles and Interquar...

The dot plot shows the number of push-ups done in one minute for 14 students. Each dot stands for one student. What is the interquartile range (IQR) of the data?



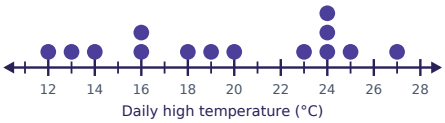
Task card 19 Dot Plots: Quartiles and Interquar...

The dot plot shows the number of goals scored for 15 matches. Each dot stands for one match. What is the first quartile (Q1) of the data?



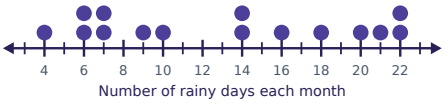
Task card 20 Dot Plots: Quartiles and Interquar...

The dot plot shows the high temperature in °C for 14 days. Each dot stands for one day. What is the third quartile (Q3) of the data?



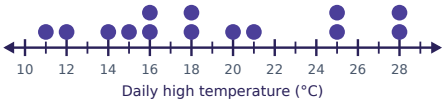
Task card 21 Dot Plots: Quartiles and Interquar...

The dot plot shows the number of rainy days for 15 months. Each dot stands for one month. What is the interquartile range (IQR) of the data?



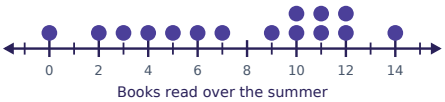
Task card 22 Dot Plots: Quartiles and Interquar...

The dot plot shows the high temperature in °C for 14 days. Each dot stands for one day. What is the first quartile (Q1) of the data?



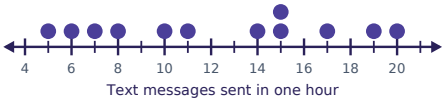
Task card 23 Dot Plots: Quartiles and Interquar...

The dot plot shows the number of books read over the summer for 15 students. Each dot stands for one student. What is the third quartile (Q3) of the data?



Task card 24 Dot Plots: Quartiles and Interquar...

The dot plot shows the number of text messages sent in one hour for 12 teens. Each dot stands for one teen. The same data as a list: S = [5, 19, 11, 15, 14, 8, 10, 7, 20, 6, 17, 15]. What is the first quartile (Q1) of the data?



Dot Plots: Quartiles and Interquartile Range Task Cards

Recording sheet · Grade 10 · Q1 is the median of the lower half of the data and Q3 is the median of the upper half. When there is an odd number of values, leave the median out of both halves. IQR = Q3 − Q1.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Dot Plots: Quartiles and Interquartile Range Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 14	**2.** 7.5	**3.** 4.5
4. 19.5	**5.** 17	**6.** 6
7. 12.5	**8.** 13.5	**9.** 26
10. 8.5	**11.** 19	**12.** 18.5
13. 9	**14.** 7.5	**15.** 17
16. 9	**17.** 18	**18.** 13
19. 2	**20.** 24	**21.** 13
22. 15	**23.** 11	**24.** 7.5