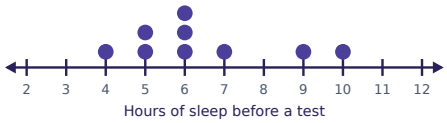
Task card 1

Dot Plots: Quartiles and Interquar...

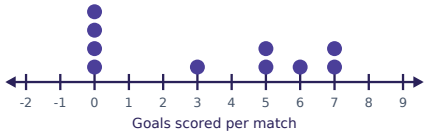
The dot plot shows the number of hours of sleep for 9 students. Each dot stands for one student. The same data as a list: S = [6, 5, 4, 5, 6, 6, 7, 10, 9]. What is the first quartile (Q1) of the data?



Task card 2

Dot Plots: Quartiles and Interquar...

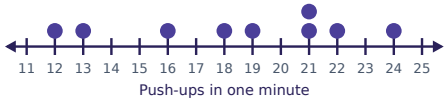
The dot plot shows the number of goals scored for 10 matches. Each dot stands for one match. The same data as a list: S = [3, 7, 7, 0, 6, 0, 5, 0, 0, 5]. What is the third quartile (Q3) of the data?



Task card 3

Dot Plots: Quartiles and Interquar...

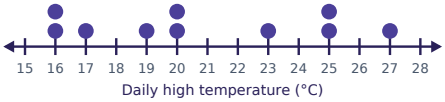
The dot plot shows the number of push-ups done in one minute for 9 students. Each dot stands for one student. The same data as a list: S = [22, 19, 21, 16, 21, 13, 18, 12, 24]. What is the first quartile (Q1) of the data?



Task card 4

Dot Plots: Quartiles and Interquar...

The dot plot shows the high temperature in °C for 10 days. Each dot stands for one day. The same data as a list: S = [25, 20, 17, 23, 19, 16, 25, 16, 27, 20]. What is the third quartile (Q3) of the data?



Task card 5

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of books read over the summer for 10 students. Each dot stands for one student. The same data as a list: S = [13, 11, 4, 6, 1, 2, 7, 6, 1, 12]. What is the third quartile (Q3) of the data?



Task card 6

Dot Plots: Quartiles and Interquar...

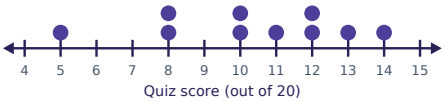
The dot plot shows the number of hours of sleep for 9 students. Each dot stands for one student. The same data as a list: S = [5, 5, 8, 11, 4, 9, 11, 9, 3]. What is the first quartile (Q1) of the data?



Task card 7

Dot Plots: Quartiles and Interquar...

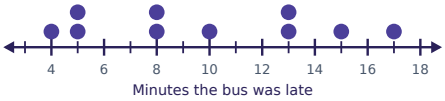
The dot plot shows the quiz score for 10 students. Each dot stands for one student. The same data as a list: S = [5, 10, 13, 11, 12, 10, 12, 14, 8, 8]. What is the third quartile (Q3) of the data?



Task card 8

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of minutes the bus was late for 10 days. Each dot stands for one day. The same data as a list: S = [8, 17, 5, 15, 5, 13, 13, 8, 4, 10]. What is the first quartile (Q1) of the data?



Task card 9

Dot Plots: Quartiles and Interquar...

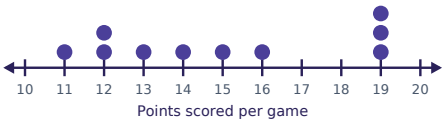
The dot plot shows the number of goals scored for 11 matches. Each dot stands for one match. The same data as a list: S = [9, 1, 6, 0, 8, 3, 0, 4, 2, 4, 7]. What is the third quartile (Q3) of the data?



Task card 10

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of points scored for 10 games. Each dot stands for one game. The same data as a list: S = [12, 12, 16, 19, 15, 19, 11, 19, 13, 14]. What is the first quartile (Q1) of the data?



Task card 11

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of goals scored for 11 matches. Each dot stands for one match. The same data as a list: S = [4, 8, 4, 1, 5, 8, 2, 4, 5, 3, 6]. What is the third quartile (Q3) of the data?



Task card 12

Dot Plots: Quartiles and Interquar...

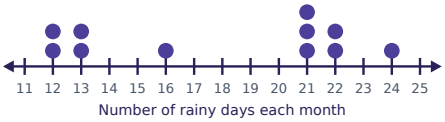
The dot plot shows the number of text messages sent in one hour for 10 teens. Each dot stands for one teen. The same data as a list: S = [13, 7, 13, 17, 18, 12, 6, 14, 9, 19]. What is the first quartile (Q1) of the data?



Task card 13

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of rainy days for 11 months. Each dot stands for one month. The same data as a list: S = [13, 24, 16, 21, 13, 21, 22, 21, 12, 12, 22]. What is the third quartile (Q3) of the data?



Task card 14

Dot Plots: Quartiles and Interquar...

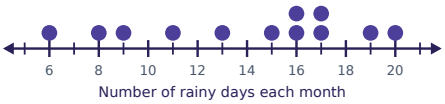
The dot plot shows the number of goals scored for 11 matches. Each dot stands for one match. The same data as a list: S = [8, 3, 2, 9, 8, 2, 4, 1, 5, 5, 1]. What is the first quartile (Q1) of the data?



Task card 15

Dot Plots: Quartiles and Interquar...

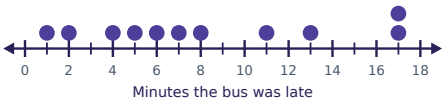
The dot plot shows the number of rainy days for 12 months. Each dot stands for one month. The same data as a list: S = [17, 19, 16, 9, 17, 8, 11, 15, 13, 6, 16, 20]. What is the third quartile (Q3) of the data?



Task card 16

Dot Plots: Quartiles and Interquar...

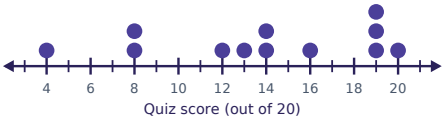
The dot plot shows the number of minutes the bus was late for 11 days. Each dot stands for one day. The same data as a list: S = [1, 4, 5, 11, 8, 7, 13, 2, 17, 17, 6]. What is the first quartile (Q1) of the data?



Task card 17

Dot Plots: Quartiles and Interquar...

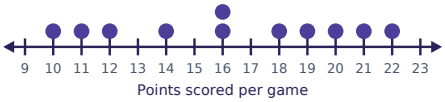
The dot plot shows the quiz score for 12 students. Each dot stands for one student. The same data as a list: S = [12, 13, 4, 14, 19, 16, 8, 14, 19, 20, 19, 8]. What is the third quartile (Q3) of the data?



Task card 18

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of points scored for 11 games. Each dot stands for one game. The same data as a list: S = [12, 19, 10, 11, 16, 18, 16, 21, 14, 20, 22]. What is the first quartile (Q1) of the data?



Task card 19

Dot Plots: Quartiles and Interquar...

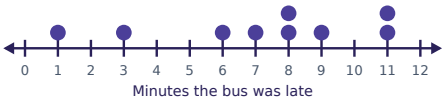
The dot plot shows the number of goals scored for 12 matches. Each dot stands for one match. The same data as a list: S = [3, 2, 9, 6, 1, 4, 5, 2, 0, 9, 4, 3]. What is the third quartile (Q3) of the data?



Task card 20

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of minutes the bus was late for 9 days. Each dot stands for one day. The same data as a list: S = [8, 3, 9, 11, 1, 11, 8, 7, 6]. What is the first quartile (Q1) of the data?



Task card 21

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of text messages sent in one hour for 10 teens. Each dot stands for one teen. The same data as a list: S = [7, 14, 4, 6, 5, 14, 11, 7, 5, 2]. What is the third quartile (Q3) of the data?



Task card 22

Dot Plots: Quartiles and Interquar...

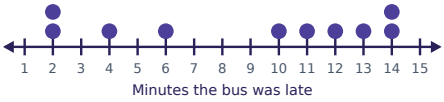
The dot plot shows the number of text messages sent in one hour for 9 teens. Each dot stands for one teen. The same data as a list: S = [11, 12, 13, 20, 13, 10, 15, 20, 12]. What is the first quartile (Q1) of the data?



Task card 23

Dot Plots: Quartiles and Interquar...

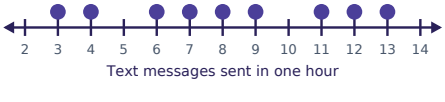
The dot plot shows the number of minutes the bus was late for 10 days. Each dot stands for one day. The same data as a list: S = [2, 11, 6, 10, 13, 2, 12, 14, 4, 14]. What is the third quartile (Q3) of the data?



Task card 24

Dot Plots: Quartiles and Interquar...

The dot plot shows the number of text messages sent in one hour for 9 teens. Each dot stands for one teen. The same data as a list: S = [4, 13, 6, 7, 12, 8, 11, 3, 9]. 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 · Easy

The answers online

1. 5	**2.** 6	**3.** 14.5
4. 25	**5.** 11	**6.** 4.5
7. 12	**8.** 5	**9.** 7
10. 12	**11.** 6	**12.** 9
13. 22	**14.** 2	**15.** 17
16. 4	**17.** 19	**18.** 12
19. 5.5	**20.** 4.5	**21.** 11
22. 11.5	**23.** 13	**24.** 5