

Name mykaiah carly # \_\_\_\_\_ Date \_\_\_\_\_

# Backpacks at Adams Mean, Median, Mode, Range

Great job collecting data on the weights of backpacks at Adams! Let's see how heavy backpacks (measured in pounds) at Adams actually are!

1 <sup>st</sup> Grade	2 <sup>nd</sup> Grade	3 <sup>rd</sup> Grade	4 <sup>th</sup> Grade	5 <sup>th</sup> Grade
5, 4, 8, 5, 6	9, 10, 8, 9	11, 13, 6, 10, 9	15, 8, 10, 19, 13	6, 10, 5, 14
3x2	9x2			

Calculate the mean, median, mode and range using this data set below. You must show work for every problem. However, you may use a calculator also.

1. Calculate the MEAN weight of backpacks (in lb).

9.26

2. Calculate the MEDIAN weight of backpacks (in lb).

3. Calculate the MODE weight of backpacks (in lb).

10

4. Calculate the RANGE in the weights of the backpacks (in lb).

19  
- 4  
15

Answer the following questions in COMPLETE SENTENCES.

4. Were the results what you were expecting? Was the mean less or more than what you were thinking? Why do you think this is? I think the mean was going to be more, because kids bring most of their desk home. I understand teachers give a lot of homework but, kids blame it on the teacher with all of the homework. Kids bring home Notebook, textbook. Bring less stuff!

5. What "trends" or patterns do you notice about the weight of the backpacks as the grade level gets higher? Why do you think this is? 1<sup>st</sup> grade has the lowest backpack because they don't have all their stuff.

6. What questions do you still have about this data? Is there anything that doesn't seem to make sense or "match" the other data? 19 is a odd number because a kids at Adams can get back Patin.

Name Christina # 10 Date \_\_\_\_\_

Backpacks at Adams  
Mean, Median, Mode, Range

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<u>1<sup>st</sup> Grade</u>	<u>2<sup>nd</sup> Grade</u>	<u>3<sup>rd</sup> Grade</u>	<u>4<sup>th</sup> Grade</u>	<u>5<sup>th</sup> Grade</u>
5, 4, 8, 5, 6	9, 10, 8, 9	11, 13, 6, 10, 9	15, 8, 10, 19, 13	6, 10, 5, 14

Calculate the mean, median, mode and range using this data set below. You must show work for every problem. However, you may use a calculator also.

1. Calculate the MEAN weight of backpacks (in lb).

$$\begin{array}{r} 223 \\ \times 9 \\ \hline 207 \end{array}$$

$$\begin{array}{r} 9 \\ 23 \overline{) 213} \\ \underline{207} \\ 6 \end{array}$$

9.26

2. Calculate the MEDIAN weight of backpacks (in lb).

~~4, 5, 5, 5, 6, 6, 6, 6, 8, 8, 8, 8, 9, 9, 9, 10, 10, 10, 10, 10, 11, 13, 13, 14, 15, 19~~

3. Calculate the MODE weight of backpacks (in lb).

10

4. Calculate the RANGE in the weights of the backpacks (in lb).

15

$$\begin{array}{r} 19 \\ - 4 \\ \hline 15 \end{array}$$

Answer the following questions in COMPLETE SENTENCES.

4. Were the results what you were expecting? Was the mean less or more than what you were thinking? Why do you think this is? The results were less than I expected

5. What "trends" or patterns do you notice about the weight of the backpacks as the grade level gets higher? Why do you think this is? 5th graders' bookbag don't weigh a lot because the teacher don't make us bring binders or text books home and fourth graders do.

6. What questions do you still have about this data? Is there anything that doesn't seem to make sense or "match" the other data? Why does one of the fourth graders backpack weigh so much? I think it's they have a lot of textbooks, books, note books, and folders.

Name Alyson #      Date     

## Backpacks at Adams

### Mean, Median, Mode, Range

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<u>1<sup>st</sup> Grade</u> 5, 4, 8, 5, 6	<u>2<sup>nd</sup> Grade</u> 9, 10, 8, 9	<u>3<sup>rd</sup> Grade</u> 11, 13, 6, 10, 9	<u>4<sup>th</sup> Grade</u> 15, 8, 10, 19, 13	<u>5<sup>th</sup> Grade</u> 6, 10, 5, 14
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Calculate the mean, median, mode and range using this data set below. You must show work for every problem. However, you may use a calculator also.

1. Calculate the MEAN weight of backpacks (in lb).

Calculate the MEAN weight of backpacks (in lb).

9.26 lb  $213 \div 23 = 9.26$

2. Calculate the MEDIAN weight of backpacks (in lb).

4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 8

3. Calculate the MODE weight of backpacks (in lb).

10

4. Calculate the RANGE in the weights of the backpacks (in lb).

15

Answer the following questions in COMPLETE SENTENCES.

4. Were the results what you were expecting? Was the mean less or more than what you were thinking? Why do you think this is?

The mean was more than I was expecting.

5. What "trends" or patterns do you notice about the weight of the backpacks as the grade level gets higher? Why do you think this is?

The fifth grade has less weight because the teacher don't make it's take to book.

6. What questions do you still have about this data? Is there anything that doesn't seem to make sense or "match" the other data?

I think that the student who gave me the 19lb.

Name \_\_\_\_\_ # \_\_\_\_\_ Date \_\_\_\_\_

# Backpacks at Adams

## Mean, Median, Mode, Range

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1 <sup>st</sup> Grade	2 <sup>nd</sup> Grade	3 <sup>rd</sup> Grade	4 <sup>th</sup> Grade	5 <sup>th</sup> Grade
5, 4, 8, 5, 6	9, 10, 8, 9	11, 13, 6, 10, 9	15, 8, 10, 19, 13	6, 10, 5, 14

Calculate the mean, median, mode and range using this data set below. You must show work for every problem. However, you may use a calculator also.

1. Calculate the **MEAN** weight of backpacks (in lb).

mean  
 $\bar{a} = 213$   
 $d = 9.26$

$$23 \overline{) 213}$$

2. Calculate the **MEDIAN** weight of backpacks (in lb).

5, 4, 8, 5, 6, 9, 10, 8, 9, 11, 13, 6, 10, 9, 13, 8, 10, 19, 13,  
 6, 10, 5, 14

order

4, 5, 5, 5, 6, 6, 6, 8, 8, 8, 9, 9, 9, 10, 10, 10, 10, 11, 13, 13, 14, 15,

3. Calculate the **MODE** weight of backpacks (in lb).

$4=1$     $8=3$     $11=1$   
 $5=3$     $9=3$     $13=2$     $15=1$   
 $6=3$     $10=4$     $14=1$

10

4. Calculate the **RANGE** in the weights of the backpacks (in lb).

$$\begin{array}{r} 19 \\ - 4 \\ \hline 14 \end{array}$$

Answer the following questions in COMPLETE SENTENCES.

4. Were the results what you were expecting? Was the mean less or more than what you were thinking? Why do you think this is?

No, I was expecting it to be around at least 6 or 7.

Teachers, please don't give them textbook homework all the time or binders.

5. What "trends" or patterns do you notice about the weight of the backpacks as the grade level gets higher? Why do you think this is?

I think this is because kids that are not in 5<sup>th</sup> grade (6<sup>th</sup>) get textbook work and have to bring binders home.

6. What questions do you still have about this data? Is there anything that doesn't seem to make sense or "match" the other data?

19 because that is a very heavy backpack.  
"No more



Name Lamya # 2 Date 3-5-12

Backpacks at Adams  
Mean, Median, Mode, Range

Great job collecting data on the weights of backpacks at Adams! Let's see how heavy backpacks (measured in pounds) at Adams actually are!

<u>1<sup>st</sup> Grade</u>	<u>2<sup>nd</sup> Grade</u>	<u>3<sup>rd</sup> Grade</u>	<u>4<sup>th</sup> Grade</u>	<u>5<sup>th</sup> Grade</u>
5, 4, 8, 5, 6	9, 10, 8, 9	11, 13, 6, 10, 9	15, 8, 10, 19, 13	6, 10, 5, 14

Calculate the mean, median, mode and range using this data set below. You must show work for every problem. However, you may use a calculator also.

1. Calculate the MEAN weight of backpacks (in lb). 9.26 lb

$$\begin{array}{r} 23 \overline{) 215} \\ 46 \\ \hline \end{array}$$

2. Calculate the MEDIAN weight of backpacks (in lb). 9 lb

3. Calculate the MODE weight of backpacks (in lb). 10 lb

4. Calculate the RANGE in the weights of the backpacks (in lb). 15 lb

$$\begin{array}{r} 19 \\ - 4 \\ \hline 15 \end{array}$$

Answer the following questions in COMPLETE SENTENCES.

4. Were the results what you were expecting? Was the mean less or more than what you were thinking? Why do you think this is?

9 sounds right

I expected 9 pounds, because 15 is too much and 4 is very light. I thought 9 pounds would be about right because that's what I thought it would be.

5. What "trends" or patterns do you notice about the weight of the backpacks as the grade level gets higher? Why do you think this is?

The backpacks get heavier as the grade level get higher. Forth grade take home textbooks and binders home and not of 5th graders.

6. What questions do you still have about this data? Is there anything that doesn't seem to make sense or "match" the other data?

~~Forth grade to~~

One of the forth grader bring junk in their backpacks like basketballs, foot ball, paper that's not needed, textbooks, & binders