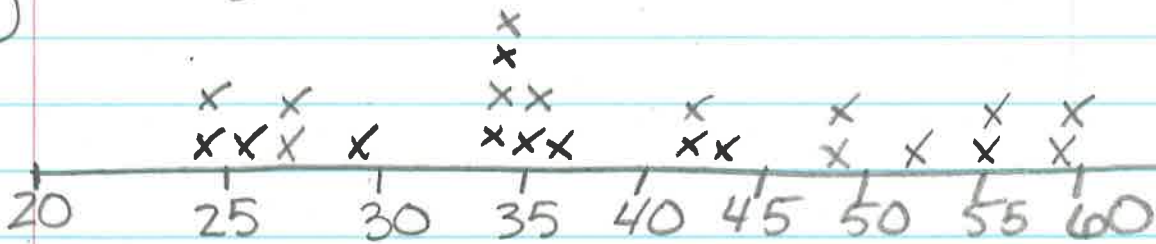
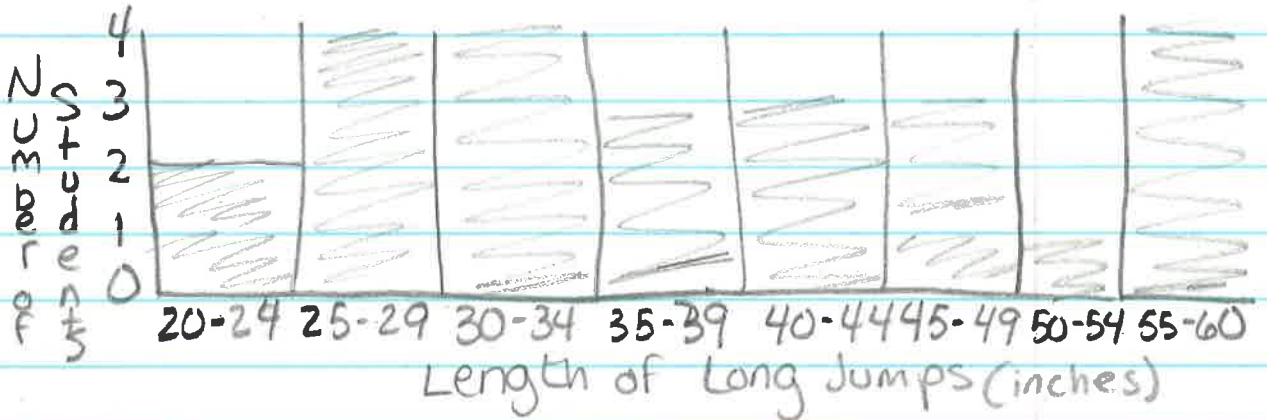


Study Link 6.1

①



②



③

a. 59 b. 24 c. 33 d. 36

e. $24 + 55 + 35 + 33 + 52 + 48 + 33 + 33 + 29 + 48 + 59 + 33$
 $+ 27 + 26 + 35 + 59 + 27 + 48 + 55 + 37 + 43 + 42 + 24 + 42 =$

$947 \div 24 = 39.45\bar{8} = 39.5$

Practice

④

$$\begin{array}{r} 48 \\ \times 29 \\ \hline 432 \\ 960 \\ \hline 1392 \end{array}$$

or

$$\begin{array}{|c|c|c|} \hline 4 & 8 & \\ \hline 0 & 8 & 6 \\ \hline 3 & 6 & 2 \\ \hline \end{array} \begin{array}{l} 2 \\ 9 \\ 2 \end{array}$$

9 2

⑤

$$\begin{array}{r} 89 \overline{) 817.125} \\ - 798 \\ \hline 19.125 \\ - 182 \\ \hline 0.925 \\ - 0.82 \\ \hline 0.105 \\ - 0.105 \\ \hline 0 \end{array}$$

⑥

$$\begin{array}{r} 16 \\ \hline 24 \overline{) 384} \\ \underline{-24} \downarrow \\ 144 \\ \underline{-144} \\ 0 \end{array}$$

⑦

$$\begin{array}{r} 767.5 \\ + 30.82 \\ \hline 798.32 \end{array}$$

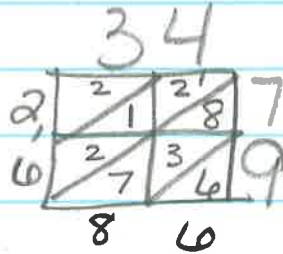
Study Link 6.2

① a, b, c ^{answers} will vary

② a. cm, ft. b. ounces, gal., liters
 c. m., miles d. cm., mm.
 e. kg, lb, grams

Practice 32

③
$$\begin{array}{r} 34 \\ \times 79 \\ \hline 306 \\ + 2380 \\ \hline 2,686 \end{array}$$



④
$$\begin{array}{r} 8,201 \\ - 2,190 \\ \hline 6,011 \end{array}$$

⑤
$$\begin{array}{r} 692 \\ 6 \overline{) 34152} \\ \underline{- 36} \\ 55 \\ \underline{- 54} \\ 12 \\ \underline{12} \\ 0 \end{array}$$

⑥
$$\begin{array}{r} 59.46 \\ + 82.17 \\ \hline 141.63 \end{array}$$

Study Link 6.3

- ① 73 maximum
- ② 19 total sunflowers
- ③ 53 in.
- ④ Start by crossing out the maximum and the minimum and work your way in on the plot until 1 number remains (53)

Practice

⑤
$$\begin{array}{r} 62 \\ \times 53 \\ \hline 186 \\ + 3100 \\ \hline 3286 \end{array}$$

or
$$\begin{array}{c} 62 \\ \begin{array}{|c|c|} \hline 3 & 5 \\ \hline 2 & 3 \\ \hline \end{array} \\ \hline 86 \end{array}$$

⑥
$$\begin{array}{r} 6711 \\ - 4140 \\ \hline 2571 \end{array}$$

⑦
$$\begin{array}{r} 18 \text{ R2} \\ 22 \overline{) 398} \\ \underline{22} \\ 178 \\ \underline{176} \\ 2 \end{array}$$

⑧
$$\begin{array}{r} 725 \\ \times 90 \\ \hline 000 \\ 65250 \\ \hline 65250 \end{array}$$

or
$$\begin{array}{c} 725 \\ \begin{array}{|c|c|c|} \hline 6 & 3 & 4 \\ \hline 5 & 0 & 0 \\ \hline \end{array} \\ \hline 250 \end{array}$$

Study Link 6.4

- ① Tapes & CDs
- ② Books & Magazines
- ③ Movie Tickets

Practice, 3

$$\begin{array}{r} \textcircled{4} \quad 119 \\ \times \quad 47 \\ \hline 833 \\ 4760 \\ \hline 5,593 \end{array}$$

or

	1	1	9	
0	4	0	3	4
5	0	7	6	7
	5	9	3	

$$\begin{array}{r} \textcircled{5} \quad 9,402 \\ + 7,137 \\ \hline 16,539 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 9 \overline{) 451241} \\ \underline{-45} \downarrow \\ 74 \\ \underline{-72} \downarrow \\ 121 \\ \underline{18} \\ 3 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 9,487 \\ \times \quad 8 \\ \hline 75,896 \end{array}$$

or

	9	4	8	7
7	2	3	2	4
	5	8	9	6

Study 6.5

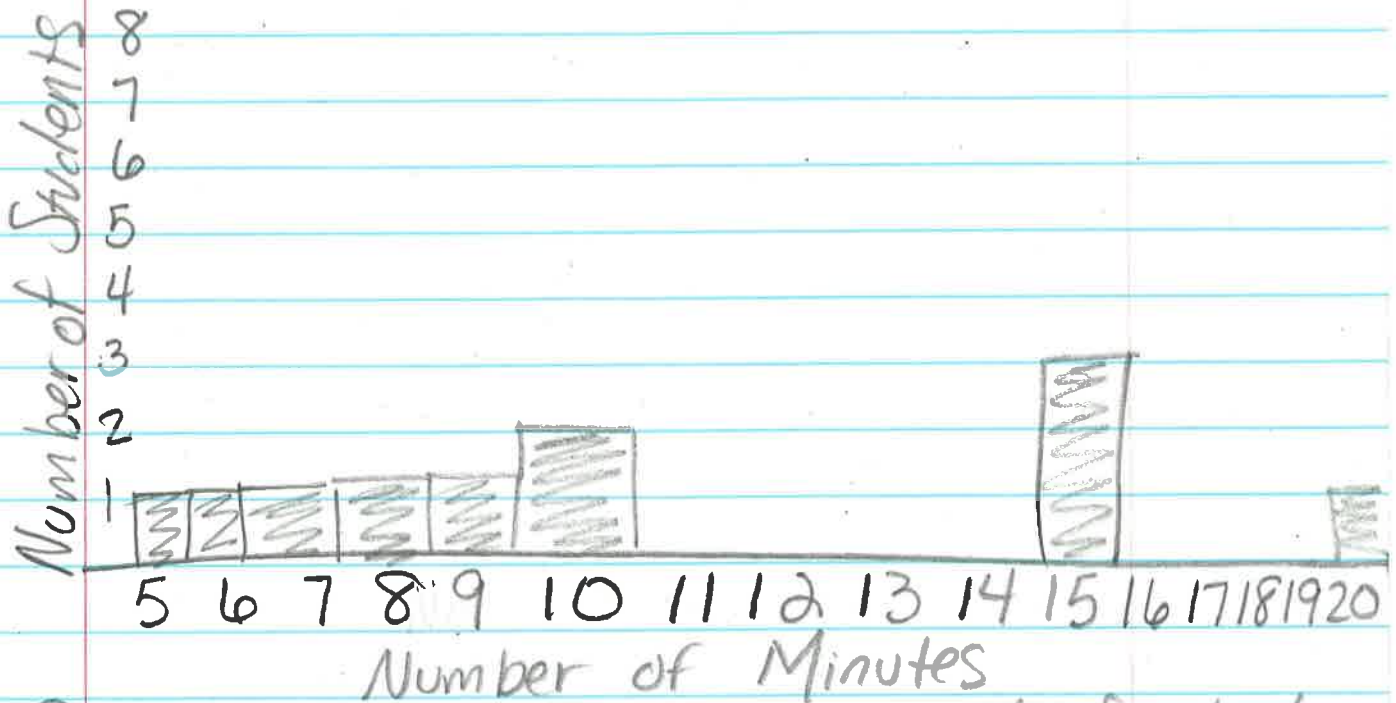
① 5 6, 7 8 9, 10, 10, 15, 15, 15 20

minimum

Median

maximum

Minutes to Get Ready For Bed



③ How long it takes to get ready for bed.

Practice

④
$$\begin{array}{r} 305 \\ 29 \\ \hline 2745 \\ +6100 \\ \hline 8,845 \end{array}$$

④
$$\begin{array}{r} 305 \\ 29 \\ \hline 2745 \\ +6100 \\ \hline 8,845 \end{array}$$

⑤
$$\begin{array}{r} 5124 \\ -81 \\ \hline 443 \end{array}$$

$$\begin{array}{r}
 671 \\
 \underline{132} \\
 1342 \\
 20130 \\
 \underline{67100} \\
 88,572
 \end{array}$$

or

	6	7	1	
0	0	0	1	
8	1	2	0	3
8	1	1	0	2
	5	7	2	

$$\begin{array}{r}
 1839 \\
 \underline{4 \mid 7,356} \\
 -4 \downarrow \\
 \hline
 33 \\
 -32 \downarrow \\
 \hline
 15 \\
 -12 \downarrow \\
 \hline
 36 \\
 \underline{36} \\
 0
 \end{array}$$

Study Link 6.6

① Grandparents of Students Age in Years

②^a Minimum (smallest) - 77

^b maximum (largest) - 94

^c Mode (Number that Repeats the Most) - 85

^d Median (Middle Number When Put in Order) - 85

③ Class Test Scores (title)
Percentage Correct (unit)

④^a minimum - 32

^b maximum - 99

^c Mode - 60

^d Median - 78.5 Two Numbers left 78 & 79
Select the middle number.

Practice

⑤ $\begin{array}{r} 245 \\ \times 51 \\ \hline \end{array}$

$$\begin{array}{r} 245 \\ \times 51 \\ \hline 245 \\ + 12250 \\ \hline 12495 \end{array}$$

245

or $\begin{array}{r} 1 \quad 2 \quad 5 \\ \diagdown \quad \diagup \quad \diagdown \quad \diagup \\ 1 \quad 0 \quad 0 \quad 2 \quad 5 \\ 2 \quad 0 \quad 0 \quad 0 \\ \hline 4 \quad 9 \quad 5 \end{array}$

⑥ $\begin{array}{r} 764 \\ + 37 \\ \hline \end{array}$

$$\begin{array}{r} 764 \\ + 37 \\ \hline 801 \end{array}$$

⑦ $\begin{array}{r} 2121 \\ \times 4 \\ \hline \end{array}$

$$\begin{array}{r} 2121 \\ \times 4 \\ \hline 8484 \end{array}$$

2121

or $\begin{array}{r} 0 \quad 0 \quad 0 \quad 0 \\ \diagdown \quad \diagup \quad \diagdown \quad \diagup \\ 0 \quad 8 \quad 4 \quad 8 \quad 4 \\ 8 \quad 4 \quad 8 \quad 4 \\ \hline 8 \quad 4 \quad 8 \quad 4 \end{array}$

⑧ $\begin{array}{r} 52 \\ 38 \overline{) 1976} \\ \underline{- 1906} \\ 70 \\ \underline{- 76} \\ 0 \end{array}$

$$\begin{array}{r} 52 \\ 38 \overline{) 1976} \\ \underline{- 1906} \\ 70 \\ \underline{- 76} \\ 0 \end{array}$$

Study Link 6-7

- ① California, Arizona
- ② Montana, Washington
- ③ How many hours of sunshine does Wisconsin have per year? 18° - 35°
(sample answer)

Practice

$$\begin{array}{r} \textcircled{4} \quad \overset{1}{\cancel{1}}49 \\ \quad \underline{14} \\ \quad \cdot 596 \\ + 1490 \\ \hline 2086 \end{array}$$

or

	1	4	9	
0	1	0	4	9
2	0	4	1	3
				4
				0
				8
				6

$$\begin{array}{r} \textcircled{5} \quad \overset{3}{\cancel{1}}34 \\ \quad \underline{29} \\ \quad 1206 \\ + 2680 \\ \hline 3886 \end{array}$$

or

	1	3	4	
0	1	0	3	4
3	0	2	3	6
				9
				8
				8
				6

$$\begin{array}{r} \textcircled{6} \quad \quad \quad \quad \quad 81 \\ \quad \quad \quad \quad \quad \underline{37} \\ \quad \quad \quad \quad \quad 3712997 \\ \quad \quad \quad \quad \quad \underline{296} \\ \quad \quad \quad \quad \quad \quad \quad 37 \\ \quad \quad \quad \quad \quad \quad \quad \underline{37} \\ \quad \quad \quad \quad \quad \quad \quad \quad \quad 0 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad \overset{5}{\cancel{30}}82 \\ \quad \underline{1590} \\ \quad \quad \quad 2092 \end{array}$$

Study Link 6.8

$$\textcircled{1} \quad \frac{3 \times 6}{7 \times 2} + \frac{4}{14} = \frac{10 \div 2}{14 \div 2} = \frac{5}{7}$$

$$\textcircled{2} \quad \frac{1 \times 2}{2 \times 4}$$

$$+ 2 \frac{3}{4}$$

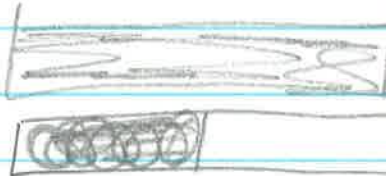
$$3 \frac{5}{4} = 1 \frac{1}{4} + 3 = 4 \frac{1}{4}$$

$$\textcircled{3} \quad \begin{array}{r} 3 \times 9 \\ 5 \times 15 \\ - 3 \\ \hline 15 \end{array}$$

$$\frac{4 \div 3}{15 \div 3} = \frac{2}{5}$$

$\textcircled{4}$ Answers will vary

$$| -\frac{1}{2} = \frac{1}{2}$$



Practice

$$\textcircled{5} \quad \begin{array}{r} 408 \\ \quad 23 \\ \hline 1224 \\ 8160 \\ \hline 9384 \end{array}$$

$$\begin{array}{r} 408 \\ \begin{array}{|c|c|c|} \hline 8 & 0 & 6 \\ \hline 2 & 0 & 4 \\ \hline \end{array} \\ \hline 384 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad \overset{1}{0.85} \\ + 0.3 \\ \hline 1.15 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad \overset{51}{492} \\ \times \quad \quad 6 \\ \hline 2952 \end{array}$$

$$\text{or } 2 \overline{) \begin{array}{r} 492 \\ \underline{24} \\ 252 \\ \underline{20} \\ 52 \\ \underline{45} \\ 72 \\ \underline{70} \\ 2 \end{array}}$$

$$\begin{array}{r} \textcircled{8} \quad \quad \quad \underline{51} R2 \\ 45 \overline{) 2,297} \\ \underline{-225} \\ 47 \\ \underline{-45} \\ 2 \end{array}$$

Study Link 6.9

$$\begin{array}{r} \textcircled{1} \quad \frac{2 \times 5}{3 \times 5} \quad \frac{10}{15} \\ + \quad \frac{4 \times 3}{5 \times 3} \quad \frac{12}{15} \\ \hline \end{array}$$

$$\frac{22}{15} = 1 \frac{7}{15}$$

$$\begin{array}{r} \textcircled{2} \quad \frac{8 \times 4}{9 \times 4} \quad \frac{32}{36} \\ - \quad \frac{5 \times 6}{6 \times 6} \quad \frac{30}{36} \\ \hline \end{array}$$

$$\frac{2 \div 2}{36 \div 2} = \frac{1}{18}$$

$$\textcircled{3} \quad \frac{3}{4}$$

$$+ \quad \frac{1 \times 2}{2 \times 2} \quad \frac{2}{4}$$

$$1 \frac{5}{4} = 1 \frac{1}{4} + 1 = 2 \frac{1}{4}$$

$$\textcircled{4} \quad 4 \text{ ft } 10 \frac{1 \times 2}{2 \times 2} \frac{2}{4} = \frac{42}{4}$$

$$- \quad 2 \frac{3}{4} = \frac{11}{4}$$

$$4 \text{ ft } \frac{31}{4} = 7 \frac{3}{4} \text{ inches}$$

$$\textcircled{5} \quad \begin{array}{r} 3 \frac{1 \times 3}{2 \times 3} \quad \frac{3}{6} \\ + \quad 2 \frac{1 \times 2}{3 \times 2} \quad \frac{2}{6} \\ \hline \end{array}$$

$$5 \frac{5}{6} \text{ cups}$$

Study Link 6.10

$$\begin{array}{r} \textcircled{1} \quad 9 \times 2 \quad 18 \\ 11 \times 2 \quad 22 \\ - \quad 1 \times 11 \quad 11 \\ \hline 2 \times 11 \quad 22 \\ \hline 7 \\ 22 \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 5 \times 4 \quad 20 \\ 9 \times 4 \quad 36 \\ - \quad 1 \times 9 \quad 9 \\ \hline 4 \times 9 \quad 36 \\ \hline 11 \\ 36 \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad 7 \times 3 \quad 21 \\ 10 \times 3 \quad 30 \\ + \quad 4 \times 2 \quad 8 \\ \hline 15 \times 2 \quad 30 \\ \hline 29 \\ 30 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 7 \quad 21 \\ 10 \quad 30 \\ - \quad 4 \quad 8 \\ \hline 15 \quad 30 \\ \hline 13 \\ 30 \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 3 \times 9 \quad 27 \\ 2 \times 9 \quad 18 \\ 4 \times 2 \quad 8 \\ - \quad 9 \times 2 \quad 18 \\ \hline 19 \\ 18 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 5 \times 7 \quad 35 \\ 6 \times 7 \quad 42 \\ 4 \times 6 \quad 24 \\ + \quad 7 \times 6 \quad 42 \\ \hline 59 \\ 42 \end{array}$$

$$\frac{19}{18} = 1\frac{1}{18}$$

$$\frac{59}{42} = 1\frac{17}{42}$$

$$\textcircled{7} \quad \frac{1}{6}$$

$$\textcircled{8} \quad \frac{3}{4}$$

$$\textcircled{9} \quad \frac{2}{12} = \frac{1}{6}$$

$$\textcircled{10} \quad \frac{1}{2}$$

$$\textcircled{11} \quad \frac{1}{3}$$

$$\begin{array}{l} 12 \times \frac{1}{12} = \frac{1}{12} \\ 6 \times \frac{2}{12} = \frac{2}{12} \\ 3 \times \frac{3}{12} = \frac{3}{12} \\ 4 \times \frac{3}{12} = \frac{3}{12} \\ 1 \times \frac{4}{12} = \frac{4}{12} \\ 3 \times \frac{4}{12} = \frac{4}{12} \\ \frac{1}{2} = \frac{6}{12} \end{array}$$

$$\frac{2}{12} + \frac{2}{12} + \frac{3}{12} + \frac{4}{12} + \frac{6}{12} = \frac{23}{12}$$

$$\frac{11}{12}$$

$$\begin{array}{r} \textcircled{13} \quad \frac{1}{2} \text{ ham} \quad \frac{6}{12} \\ \frac{3}{4} \text{ roast beef} \quad \frac{9}{12} \\ \frac{2}{3} \text{ turkey} \quad + \quad \frac{8}{12} \\ \hline \frac{23}{12} = 1 \frac{11}{12} \end{array}$$

$$\begin{array}{r} \textcircled{14} \quad \frac{2}{3} \text{ Swiss} \quad \frac{8}{12} \\ \frac{1}{4} \text{ Parmesan} \quad \frac{3}{12} \\ \frac{2}{3} \text{ Cheddar} \quad + \quad \frac{8}{12} \\ \hline \frac{19}{12} = 1 \frac{7}{12} \end{array}$$