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## AXIOM CHALLENGE

3rd grade; Spring 2026

$$\begin{array}{r} 194 \\ + 494 \\ \hline \end{array}$$

$$\begin{array}{r} 248 \\ + 611 \\ \hline \end{array}$$

$$\begin{array}{r} 642 \\ + 842 \\ \hline \end{array}$$

$$\begin{array}{r} 214 \\ - 189 \\ \hline \end{array}$$

$$\begin{array}{r} 434 \\ + 562 \\ \hline \end{array}$$

$$\begin{array}{r} 646 \\ - 180 \\ \hline \end{array}$$

$$\begin{array}{r} 763 \\ - 292 \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ - 449 \\ \hline \end{array}$$

$$\begin{array}{r} 194 \\ + 369 \\ \hline \end{array}$$

$$\begin{array}{r} 840 \\ - 605 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ + 833 \\ \hline \end{array}$$

$$\begin{array}{r} 828 \\ - 514 \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ - 210 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \\ + 353 \\ \hline \end{array}$$

$$\begin{array}{r} 517 \\ - 260 \\ \hline \end{array}$$

$$\begin{array}{r} 960 \\ - 154 \\ \hline \end{array}$$

$$\begin{array}{r} 511 \\ - 234 \\ \hline \end{array}$$

$$\begin{array}{r} 693 \\ - 395 \\ \hline \end{array}$$

$$\begin{array}{r} 290 \\ + 530 \\ \hline \end{array}$$

$$\begin{array}{r} 671 \\ - 565 \\ \hline \end{array}$$

$$\begin{array}{r} 189 \\ + 351 \\ \hline \end{array}$$

$$\begin{array}{r} 775 \\ + 892 \\ \hline \end{array}$$

$$\begin{array}{r} 943 \\ + 970 \\ \hline \end{array}$$

$$\begin{array}{r} 264 \\ + 440 \\ \hline \end{array}$$

$$\begin{array}{r} 633 \\ - 223 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ + 842 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ - 135 \\ \hline \end{array}$$

$$\begin{array}{r} 935 \\ - 640 \\ \hline \end{array}$$

$$\begin{array}{r} 418 \\ + 938 \\ \hline \end{array}$$

$$\begin{array}{r} 946 \\ - 548 \\ \hline \end{array}$$

$$\begin{array}{r} 967 \\ - 626 \\ \hline \end{array}$$

$$\begin{array}{r} 921 \\ - 223 \\ \hline \end{array}$$

$$\begin{array}{r} 395 \\ - 188 \\ \hline \end{array}$$

$$\begin{array}{r} 841 \\ - 445 \\ \hline \end{array}$$

$$\begin{array}{r} 845 \\ - 651 \\ \hline \end{array}$$

$$\begin{array}{r} 143 \\ + 678 \\ \hline \end{array}$$

$$\begin{array}{r} 261 \\ + 962 \\ \hline \end{array}$$

$$\begin{array}{r} 515 \\ + 931 \\ \hline \end{array}$$

$$\begin{array}{r} 386 \\ + 845 \\ \hline \end{array}$$

$$\begin{array}{r} 853 \\ - 553 \\ \hline \end{array}$$

$$9.9 + 8.2 =$$

$$5.8 + 3.6 =$$

$$2.2 + 1.4 =$$

Answer in the simplest form:

$$\frac{4}{20} + \frac{6}{20} =$$

$$\frac{1}{12} + \frac{4}{12} =$$

$$\frac{5}{17} + \frac{6}{17} =$$

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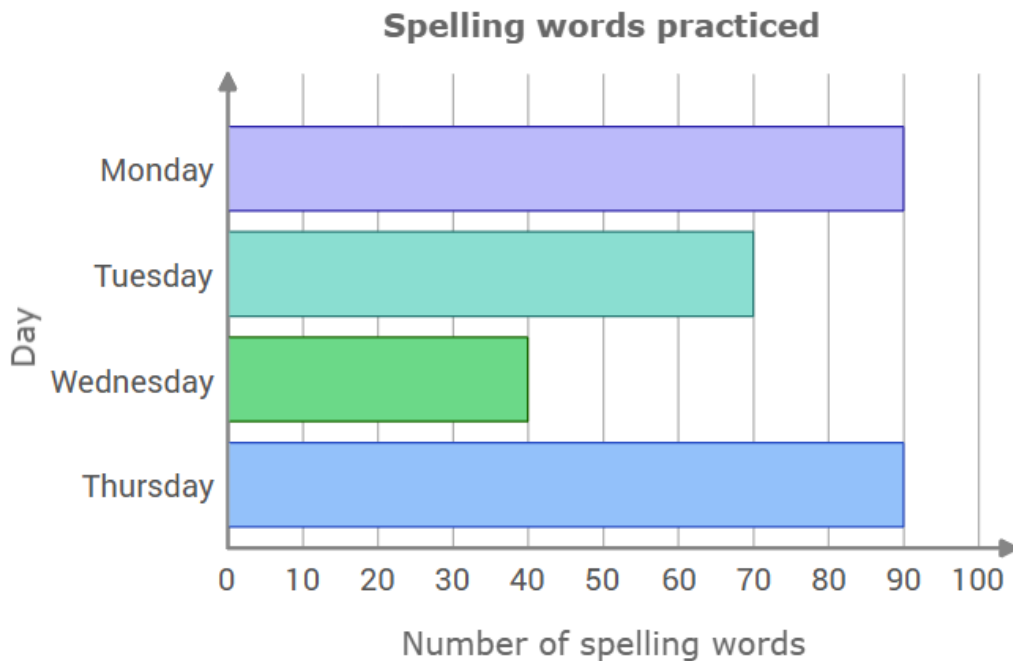
1) Round 76 to the nearest tenth:

2) Order the fractions from **least to greatest**:

$\frac{1}{2}$ ,  $\frac{3}{4}$ ,  $\frac{2}{5}$ ,  $\frac{5}{6}$ ,  $\frac{10}{3}$ .

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

3) Hansen wrote down how many spelling words he practiced each day.



**How many spelling words did Hansen practice on Thursday?**

\_\_\_\_\_ words.

3) **What is a better estimate for the length of a battery?**

- a) 6 meters
- b) 6 centimeters

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**4) How many vertices does a decagon have?** (hint: decade)

- a) 10
- b) 100
- c) 5
- d) 2

**5) Write  $11\frac{1}{2}$  as a mixed number:**

\_\_\_\_\_.

**6) How long has it been from 2:30pm to 8:00am the next day?**

\_\_\_\_\_ hours and \_\_\_\_\_ minutes.

**7) Solve the following equations:**

$$4p+3=23.$$

$$8x+1=25.$$

$$2z+10=29.$$

8) A sports network displayed the number of Olympic medals won by certain countries over time. **(Next page!)**

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| Olympic medals |      |      |
|----------------|------|------|
| Country        | 1976 | 1980 |
| Brazil         | 2    | 4    |
| Italy          | 13   | 15   |
| Australia      | 5    | 9    |

**How many more medals did Brazil win in 1980 than in 1976?**

\_\_\_\_\_ medals.

**9) What is the divisibility rule for 3? Explain:**

10) Estimate the difference by rounding each number to the nearest thousand and then subtracting.

9598-3684 is approximately \_\_\_\_\_.

11) Sophia saves \$4 each week in her account at Dedham Savings for 5 weeks.  
**How much money does she save in total?**

\$\_\_\_\_\_.

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1)

(Source: NOAA)

The above picture is the Kermadec Arc. **Which best describes the Kermadec Arc ecosystem?**

- a) It has a lot of bright sunlight with organisms that crawl or stick to the ground.
- b) It is at the bottom of the ocean with no sunlight.

**2) Which tool is better for measuring the length of a jump rope?**

- a) Measuring tape
- b) Inch ruler

3) Reptiles have scaly, waterproof skin. Most reptiles live on land. A Mojave rattlesnake is an example of a reptile. **Which of the following is a reptile?**

- a) Box turtle
- b) Salmon

**4) Fill in the blanks:**

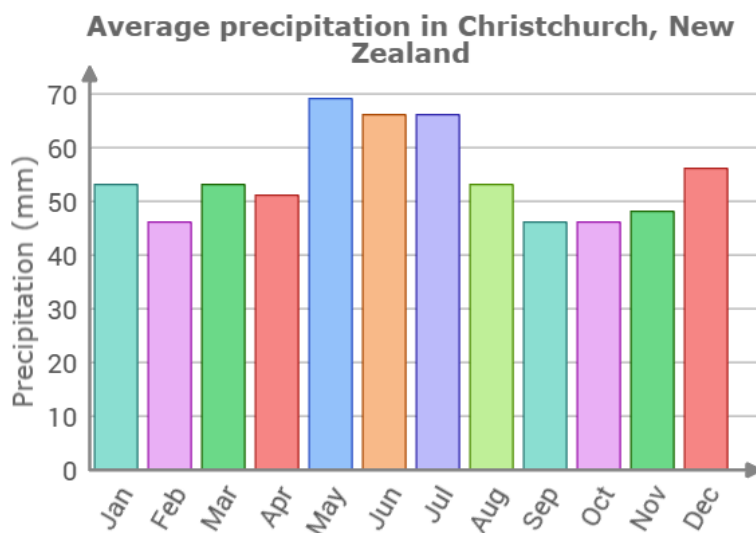
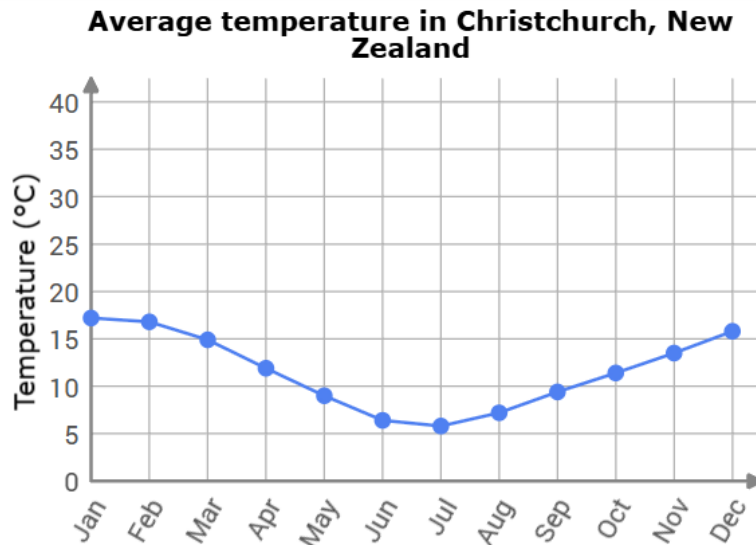
Earth's surface is made mostly of rock. Water, wind, and ice can help break down this rock to form \_\_\_\_\_. This process is called \_\_\_\_\_.

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5) Observe the following graphs below about the climate in Christchurch, New Zealand, and answer the questions that follow.



**Which statement best describes the climate of Christchurch?**

*Hint: Summers in the Southern Hemisphere occur in December, January, and February. Winters in the Southern Hemisphere occur in June, July, and August.*

- a) Winters have higher temperatures than summers
- b) Winters have slightly more precipitation than summers