

6.2D order a set of rational numbers rising from real-world contexts

ORDERING RATIONAL NUMBERS

1. Which list of integers is in order from greatest to least?

- A 24, 9, -33, -24, -11
- B -11, -18, -33, 9, 24
- C 24, 9, -11, -24, -33
- D -33, 24, -18, -11, 9

2. The table shows the portion of sixth grade students who passed their benchmark exams.

Benchmark Exam Scores

Subject	Portion Passing Exam
Language Arts	82%
Social Studies	$\frac{4}{5}$
Math	$\frac{17}{20}$
Science	86%
Reading	$\frac{21}{25}$

Which of the following lists the subjects in order from the least to greatest portion of students passing the benchmark exams?

- A Science, Math, Reading, Language Arts, Social Studies
- B Language Arts, History, Math, Reading, Science
- C Math, Social Studies, Reading, Language Arts, Science
- D Social Studies, Language Arts, Reading, Math, Science

3. Maritza cut strips of ribbon and measured their lengths in centimeters. Which list shows the lengths in order from longest to shortest?

A 26.1 cm, 26 cm, 25.69 cm, 25.7 cm

B 25.69 cm, 25.7 cm, 26 cm, 26.1 cm

C 25.7 cm, 25.69 cm, 26 cm, 26.1 cm

D 26.1 cm, 26 cm, 25.7 cm, 25.69 cm

4. Which list shows the numbers in descending order?

A $\frac{2}{3}$, 65%, $\frac{5}{8}$, 0.6

B $\frac{2}{3}$, $\frac{5}{8}$, 0.6, 65%

C 65%, $\frac{2}{3}$, 0.6, $\frac{5}{8}$

D $\frac{2}{3}$, 65%, 0.6, $\frac{5}{8}$

5. On the first of January, Rodney recorded the outside temperatures at four different times. The temperatures are shown in the table below. Which temperature is the coldest?

Time	Temperature (F°)
6:00 AM	-8
9:00 AM	10
4:00 PM	0
8:00 PM	-2

Record your answer.

6. Markus, Chad, Juan, and Stephen competed to see who could run the farthest without stopping. Markus ran one-half mile, Chad ran seven-eighths of a mile, Juan ran three-fifths of a mile, and Stephen ran three quarters of a mile. Which list shows the names of the runners in order from farthest to shortest distance?

- A Chad, Juan, Markus, Stephen
- B Chad, Stephen, Juan, Markus
- C Stephen, Markus, Juan, Chad
- D Markus, Stephen, Chad, Juan

7. Deon is competing in the discus event at the city track meet. The table below lists his daily best throws.

Deon's Discus Throws

Day	Length (m)
Monday	$67\frac{7}{12}$
Tuesday	$67\frac{2}{3}$
Wednesday	$67\frac{12}{25}$
Thursday	67.5

Which list shows the days in order from longest throw to shortest throw?

- A Monday, Tuesday, Thursday, Wednesday
- B Wednesday, Thursday, Tuesday, Monday
- C Wednesday, Thursday, Monday, Tuesday
- D Tuesday, Monday, Thursday, Wednesday

8. Mrs. Wynn asked her students to create six numbers using the digits zero, one and four. Frederick wrote the following numbers.

$$4.10 \quad 0.41 \quad 41.0 \quad 1.04 \quad \frac{4}{10} \quad 1.40$$

Mrs. Wynn then asked the students to order their list of numbers from least to greatest. Which number should Frederick list second?

- A 0.41
 - B 1.40
 - C $\frac{4}{10}$
 - D 1.04
9. A math teacher wrote the following numbers on the whiteboard:

$$0.6 \quad \frac{1}{4} \quad 0.5 \quad \frac{2}{3} \quad 0.8 \quad 0.25 \quad \frac{1}{3}$$

The students used the numbers to write true mathematical expressions. Which of the following is true?

- A $0.6 = \frac{1}{3}$
 - B $\frac{1}{4} < 0.5$
 - C $\frac{2}{3} < \frac{1}{4}$
 - D $0.5 > 0.8$
10. Look at the list of numbers below. Expressed as a decimal, which number is the greatest?

$$\frac{1}{3} \quad 0.3 \quad 25\% \quad \frac{2}{5}$$

Record your answer.