

Marathon Training

Katie is training to run a marathon. She keeps track of how many miles she runs each day.

Use the information in the table to answer the questions.



Training Day	Number of Miles
1	$8\frac{1}{8}$
2	$4\frac{3}{8}$
3	$12\frac{3}{4}$
4	$5\frac{1}{3}$
5	$9\frac{1}{8}$

- ① How many more miles did Katie run on Day 1 than on Day 2?

Number model: $8\frac{1}{8} - 4\frac{3}{8} = m$

Estimate: Sample answer: about $3\frac{1}{2}$

Show your work:

Answer: $3\frac{6}{8}$ miles

- ② How many miles did Katie run on Day 3 and Day 4 combined?

Number model: $12\frac{3}{4} + 5\frac{1}{3} = m$

Estimate: Sample answer: a little more than 18

Show your work:

Answer: $18\frac{1}{12}$ miles

- ③ Katie set a goal to run $4\frac{1}{2}$ miles on Day 5. How much farther than her goal did she run?

Number model: $9\frac{1}{8} - 4\frac{1}{2} = m$

Estimate: Sample answer: about 5

Show your work:

Answer: $4\frac{5}{8}$ miles

Practice

0.501	1,737.405	128.174	25,892.46	8.25
-------	-----------	---------	-----------	------

Choose from the list above. Write the number that has:

- ④ a 7 in the hundredths place. 128.174

- ⑤ a 5 in the thousandths place. 1,737.405

- ⑥ a 2 that is worth 0.2. 8.25