

Take a

Be Kind Break™

be encouraging

6-8th
Grade



Math

The **Be Kind Pledge** lists 10 skill sets of kindness.
This month we are focusing on **Be Encouraging**.





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Math

What does ENCOURAGING mean?

The dictionary says to encourage means to give support, confidence, or hope to someone or something.

When you are encouraging, you are cheering someone on. Maybe they are struggling and need some additional help or support. Or maybe they are doing a great job and you want to cheer them on!

When you are encouraging, you are comforting and reassuring.



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Ready to Run

Moose is trying out for the cross-country team. He feels very encouraged when his friend Mela offers to time his miles. After Moose runs three miles, Mela tracks that twenty minutes have elapsed.

Answer the following questions on a piece of notebook paper:

1. Assuming he runs at a constant speed, how many minutes does it take Moose to run one mile? Round to the nearest tenth place.
2. If Moose stayed at this pace, how many miles could he run in thirty minutes?



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Ready to Run

Some of Moose's friends offer to run with him and encourage him to keep practicing! His friend Mela can run one mile in 8.5 minutes, and his friend Sunny can run one mile in 7.4 minutes.

Answer the following questions on a piece of notebook paper:

3. What is the mean, median, and mode of each of the three friend's running times? Round to the nearest tenth place.





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Answer Key

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1. $20 \text{ minutes} / 3 \text{ miles} = 6.7 \text{ minutes/mile}$
2. $30 \text{ minutes} \times 6.7 \text{ minutes/mile} = 4.5 \text{ miles}$

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3. Mean, Median, and Mode
 - i. Mean = $6.7 + 8.5 + 7.4 = 22.6 / 3 = 7.5 \text{ minutes/mile}$
 - ii. Median = 7.4 minutes/mile
 - iii. Mode = there is no mode



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Math

Academic Standards & References

CCSS.MATH.CONTENT.6.EE.A.2.C

Evaluate expressions at specific values of their variables

CCSS.MATH.CONTENT.6.SP.B.5.C

Giving quantitative measures of center

CCSS.MATH.CONTENT.7.NS.A.1.D

Apply properties of operations as strategies to add and subtract rational numbers

CCSS.MATH.CONTENT.7.NS.A.2.C

Apply properties of operations as strategies to multiply and divide rational numbers

CCSS.MATH.CONTENT.7.NS.A.3

Solve real-world and mathematical problems involving the four operations with rational numbers

CCSS.MATH.CONTENT.7.EE.B.4

Use variables to represent quantities in a real-world or mathematical problem

