



Inspired Instruction, LLC.
Standards Solution Holding

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A



Plan A
\$60 per month
plus
\$0.05 per text

B



Plan B
\$45 per month
plus
\$0.35 per text

C



Plan C
\$50 per month
plus
\$0.15 per text

D



Plan D
\$30 per month
plus
\$0.50 per text

1. Jonathan has a cell phone with Plan A. Sarah has a cell phone with Plan B. Whose plan costs less if they each send 30 texts in a month? Explain how you determined your answer.

2. Patrick has a cell phone with Plan B. Kelley has a cell phone with Plan D. Whose plan costs less if they each send 50 texts in a month? Explain how you determined your answer.

3. Which plan would be the best buy if Franklin was planning to send 80 texts per month? Explain how you determined your answer.

4. Patrick was trying to decide whether to choose Plan B or Plan D. Kelley told him that at some point the plans would be equal. How many texts would Patrick need to send to make the plans equal?

The Best Cell Phone Plan

Connection to Assessment

Answer Only

Place the cell phone plans in order from least to greatest based on 30 texts on each plan.

Plan A
\$60 per
month
plus
\$0.05 per
text

Plan B
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month
plus
\$0.35 per
text

Plan C
\$50 per
month
plus
\$0.15 per
text

Plan D
\$30 per
month
plus
\$0.50 per
text

1

2

3

4

Reasoning (Use the plans above)

Patrick has a cell phone with Plan B. Kelley has a cell phone with Plan D. They both plan to send 50 texts in a month.

Patrick thinks his plan is the cheaper plan. Is Patrick correct? Justify your answer.