Estimate fraction sums and differences

Build understanding · 8 questions · US Letter

Name: _____ Date: _____

Take your time. Show your thinking. All equivalent answers are welcome unless a particular form is requested.

1. Is 1/2 + 3/4 less than, equal to, or greater than 1?

1/2

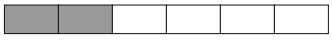
3/4

○ < ○ = ○ >

2. Is 2/4 – 2/6 less than, equal to, or greater than 1/2?

2/4

2/6



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3. Is 4/5 + 1/2 less than, equal to, or greater than 1?

4/5

1/2

○ < ○ = ○ >

4. Is 1/3 + 1/2 less than, equal to, or greater than 1?

○ < ○ = ○ >

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5. Is 6/12 – 1/4 less than, equal to, or greater than 1/2?

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6. Is 1/8 + 3/4 less than, equal to, or greater than 1? Choose the explanation.

A. Round every proper fraction down to zero before comparing with the benchmark.

B. Treat a result close to the benchmark as exactly equal to it.

C. Use halves and wholes to estimate; check exactly when close to the benchmark.

7. A jug has 3/4 liters of water. Another 4/6 liters are poured in. Is the result less than, equal to, or greater than 1 liter?

○ < ○ = ○ >

8. Find 5/6 + 5/6.

Answer: _____