U2 L3-5 **Critiquing Percents** 7.RP.3

Name:_____ Date:_____ Period:_____

Directions: Critique the following student work by checking one of the three boxes. If you check the 2nd or 3rd box, use the explanation box to describe what was completed incorrectly.

1. Jeri earned an 80% on her spelling test. After studying, she took the test again and earned an 88%. She says that her percent of increase was 8%. Her work is shown below. Is she correct?

88% - 80% = 8% therefore it was an 8% increase

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	

2. Last night a cold front came through and the temperature dropped from 48 degrees to 40 degrees. Ben said that this represents a percent of decrease of 20%. Is he correct? His work is shown below.

48 – 40 = 8 then 8/40 = 20%

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	

Critiquing Percents

3. At the home football game last night, Terry estimated that there were 700 fans in attendance. The ticket office said that 660 fans entered the gate. Terry calculated that his percent of error was 6.1%. Is he correct? His work is shown below.

700-660 = 40
40/660 = 6.1%

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	

4. Charity read 20 pages last night. Today she read 25 pages. She said that this was an increase of 25 percent. Is she correct? Her work is shown below.

25/100=25%

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	

Critiquing Percents

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1. Jeri earned an 80% on her spelling test. After studying, she took the test again and earned an 88%. She says that her percent of increase was 8%. Her work is shown below. Is she correct?

88%-80% = 8% therefore it was an 8% increase.

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	you do 88-80 = 8 then divide by the original amount 8/80 = 10%

2. Last night a cold front came through and the temperature dropped from 48 degrees to 40 degrees. Ben said that this represents a percent of decrease of 20%. Is he correct? His work is shown below.

48 – 40 = 8 then 8/40 = 20%

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	He subtracted correctly but then you need to do 8/48 (the original temp) and you get 16.7%

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4. Charity read 20 pages last night. Today she read 25 pages. She said that this was an increase of 25 percent. Is she correct? Her work is shown below.

25/100=25%

Check one of the following:	**Explanation**
☐ The answer is correct and the work proves the answer is correct. ☐ The answer is correct, but the work doesn't prove it. (Explain in the next box→) ☐ The answer is incorrect. (Explain in the next box→)	She should have done 25-20 = 5 then 5/20 = 25%