

PARCC Assessment Item Illustrating 7.EE.A.2

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Jordan's dog weighs p pounds. Emmett's dog weighs 25% more than Jordan's dog.

Which expressions represent the weight, in pounds, of Emmett's dog?

Select each correct answer.

- A. $0.25p$
- B. $1.25p$
- C. $p + 0.25$
- D. $p + 1.25$
- E. $p + 0.25p$

Answer Key

B, E

Elaboration on Alignment

This item nicely integrates students' work in 7.RP.A with the work of the 7.EE domain. By asking for multiple expressions to represent the situation, students can see the relationship between $1.25p$ and $p + 0.25p$ and understand that either expression could be used to represent the situation because the two expressions are equivalent (an understanding first established in 6.EE.A).

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