In The Paint

Composite Figures

THINKING ABOUT MATH

Part Two
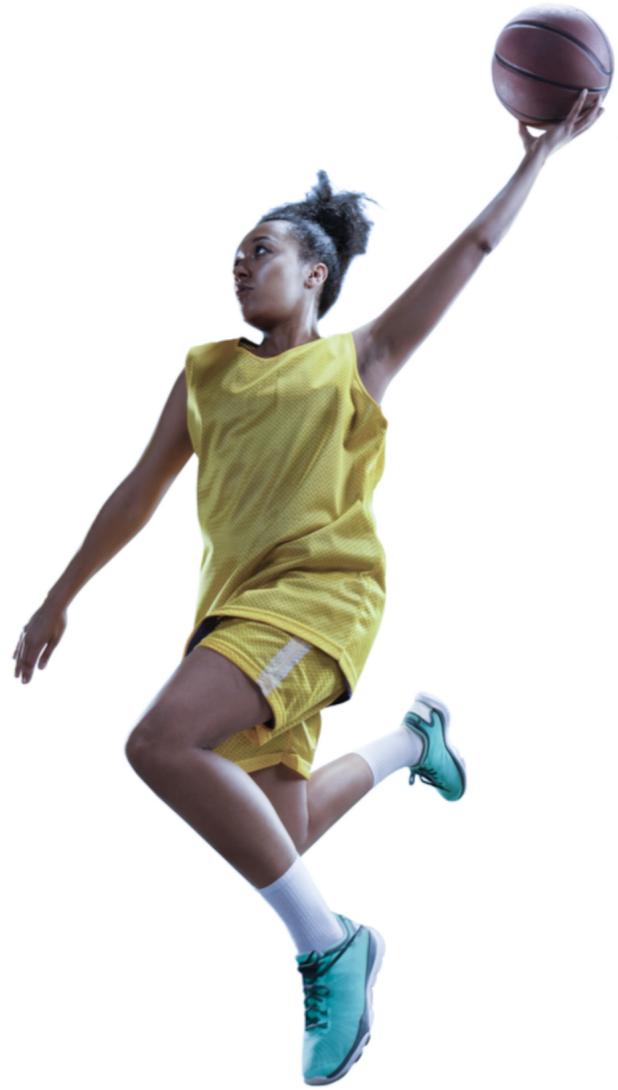
In The Paint

- One can of paint will cover 75 square feet.

- One can of paint costs $22.99

- 15% off sale on your total cost.

- 7% sales tax will be applied to the cost. The discount should be applied before the tax is added.

Utilize the information from Part One and Part Two to answer the Mind Check 2 questions.

6 feet

15 feet

DRAGONS

11.

If one can of paint will cover 75 square feet, how many cans of red paint will you need to purchase to cover the red sections on both ends of the basketball court?

a. 5 cans of red paint
b. 2 cans of red paint
c. 1 can of red paint
d. 4 cans of red paint

12.

If one can of paint will cover 75 square feet, how many cans of black paint will you need to purchase to cover the black sections on both ends of the basketball court?

a. 7 cans of black paint
b. 4 cans of black paint
c. 5 cans of black paint
d. 6 cans of black paint

Two cans of white are required to paint the foul line and perimeter of the keys. The dragon in the middle of the key is a decal and will be placed in the key afterwards.

13.

If a can of paint sells for $22.99, what would be the total cost of the paint before any discounts or tax?

a. $183.92
b. $206.91
c. $137.94
d. $229.90

14.

The paint store is offering a 15% off sale on the final cost (before sales tax is applied). Which of the following linear expressions would be used to determine the total discount?

x= cans of paint

a. $22.99x + 0.15
b. 15x + $22.99
c. 0.15($22.99x)
d. $22.99 + 0.15x

15.

7% sales tax is applied to the total cost of the paint after the discount. Which of the following algebraic expressions can be used to determine the final cost of the paint?

c= cost before tax is applied

a. c + 0.7

b. 0.07c + c

c. 0.7c - c

d. 0.07 - c

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