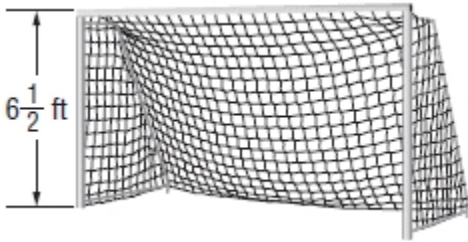


STEAM CH 4 REVIEW

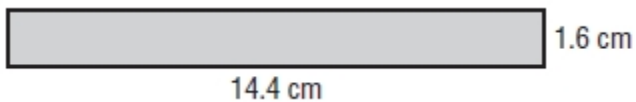
Multiple Choice

Indicate the answer choice that best completes the statement or answers the question.

- ___ 1. An indoor soccer goal is $6\frac{1}{2}$ feet high. An outdoor soccer goal is $1\frac{3}{13}$ times as high as an indoor goal. How high is an outdoor goal?



- a. 6 feet b. 7 feet
c. 8 feet d. 9 feet
- ___ 2. Drew read 120 pages of his book, which was 0.60 of the book. How many pages are in the book?
a. 7.2 b. 20
c. 72 d. 200
- ___ 3. How many times longer is the length of the rectangle compared to the width?



- a. 9 b. 8
c. 7 d. 6
- ___ 4. Margaret has saved \$400. She is going to spend one tenth of her money on a shopping spree. How much money will Margaret spend?
a. \$0.40 b. \$4
c. \$40 d. \$100
- ___ 5. Lacie wants to paint her bedroom walls. She has to cover 1,162.5 square feet. About how many gallons of paint will she need?

Gallons	Coverage (ft ²)
1	250
2	500
3	750

- a. 5 b. 4
c. 3 d. 2

STEAM CH 4 REVIEW

___ 6. Miguela bought oranges and grapes. Use the table to find the cost of 3.4 pounds of oranges and 2.8 pounds of grapes.

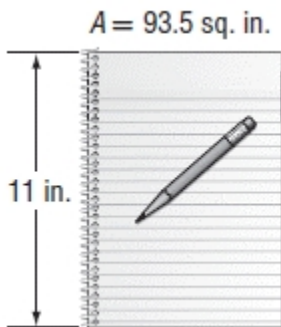
Fruit	Price per Pound (\$)
oranges	1.15
grapes	0.95

- a. \$2.66 b. \$3.91
 c. \$6.57 d. \$10.40

___ 7. Albert used $\frac{3}{8}$ of a half-gallon of paint. What fraction of a gallon of paint did he use?

- a. $\frac{3}{4}$ b. $\frac{2}{5}$
 c. $\frac{3}{16}$ d. $1\frac{1}{3}$

___ 8. Courtney found the area of her notebook paper shown. What is the width of the piece of notebook paper?



- a. 8 inches b. 8.5 inches
 c. 9 inches d. 9.5 inches

STEAM CH 4 REVIEW

Numeric Response

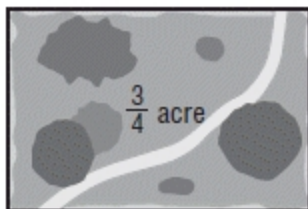
Enter the appropriate value to answer the question or solve the problem.

9. Estimate the cost in dollars of 4 boxes of cereal.



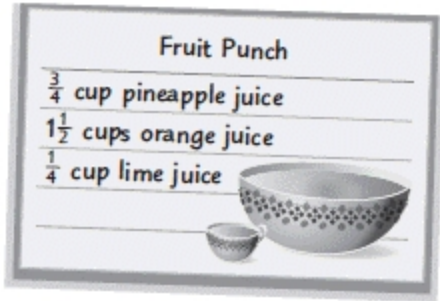
10. Reggie spent $\frac{2}{5}$ of his day at a day camp exploring nature. If he was at camp for 10 hours, how many hours did he spend exploring nature?

11. The Brighams' yard is shown. If they divide the yard into 3 equal sections, what is the size, in acres, of each section?



STEAM CH 4 REVIEW

12. **SHORT RESPONSE** Lonnie is using the recipe below to make fruit punch. He wants to use $4\frac{1}{2}$ cups of pineapple juice. How many cups of orange juice should he use?



Subjective Short Answer

13. **SHORT RESPONSE** On Monday, Jordan biked $2\frac{3}{4}$ miles. On Wednesday, he biked twice as many miles than he did on Monday. On Friday, Jordan biked $8\frac{1}{4}$ miles. How many times more miles did he bike on Friday than he did on Wednesday?

STEAM CH 4 REVIEW

Essay

14. **EXTENDED RESPONSE** Rose’s recipe for snack mix is shown. The recipe serves 12 people but Rose wants to make enough for 30 people.

Snack Mix Recipe	
Ingredients	Amount (cups)
Pretzels	$1\frac{1}{2}$
Dry Cereal	$2\frac{3}{4}$
Peanuts	$1\frac{1}{8}$
Margarine	$\frac{1}{3}$
Soy Sauce	$\frac{5}{32}$

Part A Explain how Rose can calculate the amount of each ingredient she needs to serve 30 people.

Part B How much of each ingredient will Rose need?

Part C How many cups of dry snack mix will there be in all? Explain your answer.

STEAM CH 4 REVIEW

Answer Key

1. c

2. d

3. a

4. c

5. a

6. c

7. c

8. c

9. 12

10. 4

11.

$$\frac{1}{4}$$

12. 9

13. Jordan biked $1\frac{1}{2}$ times more miles on Friday than Wednesday.

14. **Part A** Rose will need to multiply each ingredient by $2\frac{1}{2}$ in order to serve 30 people.

Part B She will need $3\frac{3}{4}$ c pretzels, $6\frac{7}{8}$ c dry cereal, $2\frac{13}{16}$ c peanuts, $\frac{5}{6}$ c margarine, and $\frac{25}{64}$ c soy sauce

Part C $13\frac{7}{16}$ c; $3\frac{3}{4} + 6\frac{7}{8} + 2\frac{13}{16} = 13\frac{7}{16}$