

CHAPT. 5 INDIVIDUAL REVIEW

A shirt is sold with following options:

- Small or large
- Grey, Purple, Tie-Dye
- Logo or No logo

How many combinations are possible? Create a tree diagram.

Simplify

1) $-5x^2 - 2x - 3x + 2 - 8 - x^2$

2) $-4x + (-2x^2) - 6x - 3x + 8$

2

Create a line diagram.

Jacob scored 75% on a math test. If he answered 60 questions correctly, how many questions were on the test?

3

What is 14% of 70?

4

Is it proportional? How do you know?

a)

X	Y
2	4.9
7	15.8
9	17.4
4	9
1	2.4

b)

X	Y
2	5.5
3	8.5
9	24.5
4	11.5
1	2.75

Simplify - show all of your work.

$-10 + 5(-12 + (-30) \div 5) - (-9)$

6

Simplify

a) $5\frac{1}{4} - (-1\frac{2}{3})$

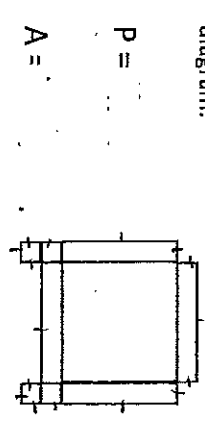
b) $4\frac{1}{4} - 2\frac{1}{5}$

a)

b)

7

Find the area and perimeter of the tile diagram.



8

Pythagorus Pizzeria has a special pizza offer called the Probability Pizza, which costs \$8.99. When ordering the Probability Pizza, the customer spins 3 different spinners -- 1 with 3 equal sections stating Small, Medium, Large -- another spinner with 3 equal sections stating Pepperoni, Sausage, Canadian Bacon -- and a 3rd spinner with 2 equal sections stating Mushrooms on one section and Olives on the other. Whatever the spinners land on is what you get. Based on this information, make a probability tree showing all of the possible outcomes when a customer spins all 3 spinners.

- 1) How many outcomes are there?
- 2) $P(\text{Small, Pepperoni, Olive})$?
- 3) Fred hates Canadian Bacon and Mushrooms, what is the probability that he won't get a pizza with Canadian Bacon or Mushrooms?
- 4) What is the probability of getting a small pizza?
- 5) What is the probability of getting Pepperoni?
- 6) What is the probability of getting Olives?
- 7) Multiply your answer to 4,5,6 together?
- 8) How does this answer compare to your answer to number 2?