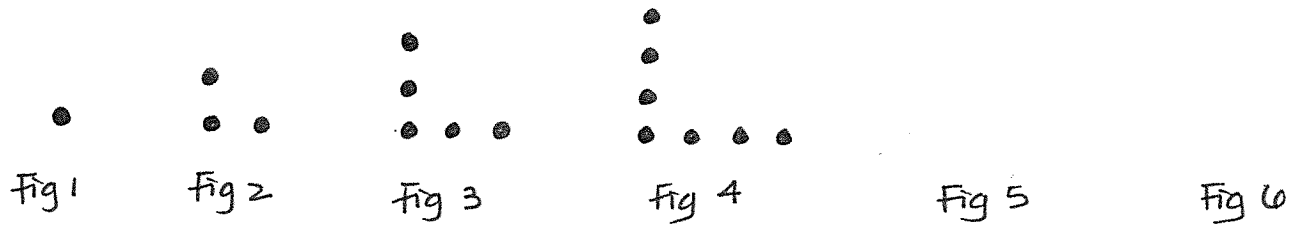


Chapter 1 Test Study Session

① Dot Pattern



a) Draw Figures 5 and 6 above

b) How many dots would be in the 10th figure?

c) How many dots would be in the 80th figure?

d) What is the rule using n for the figure number?

Number of dots in figure (n) =

② Patterns

John sold raffle tickets and got better every day. Here are his numbers:

Day 1: 4 tickets

Day 2: 12 tickets

Day 3: 36 tickets

Day 4: 108 tickets

Continuing with the pattern, which day would he sell more than 1000 tickets?

③ Rounding

2.357 to the nearest hundredths _____

965.4 to the nearest hundreds _____

7.4045 to the nearest hundredths _____

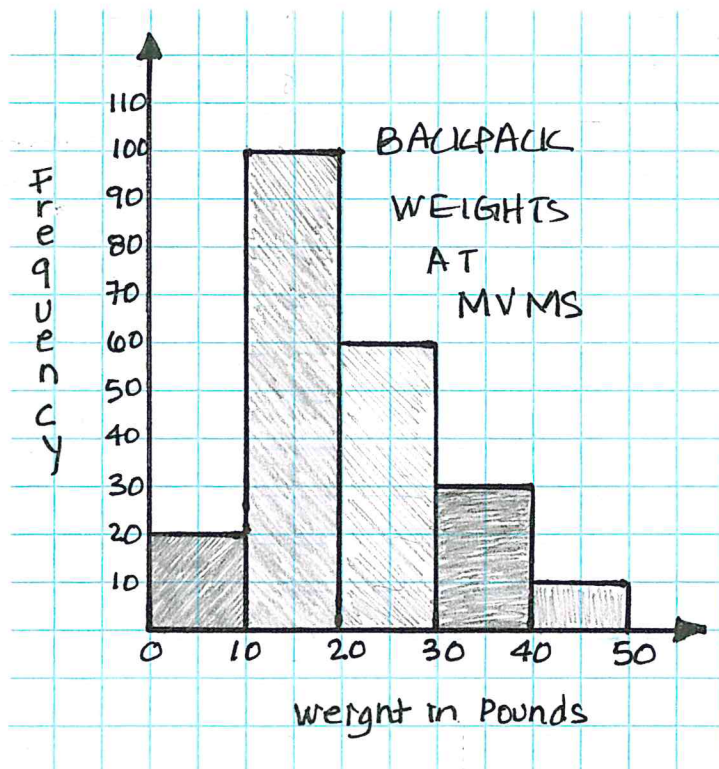
47.2 to the nearest hundreds _____

823 to the nearest tens _____

3.7112 to the nearest tenths _____

2,427,519 to the nearest thousands _____

④ histogram



① How many backpacks are represented in the histogram?

② How many backpacks weighed less than 40 lbs?

③ What was the weight of the heaviest backpack?

④ How many backpacks weighed 10 lbs?

⑤ LCM

Find the LCM of 18 and 21

⑥ Prime Factorization

Find the prime factorization of:

$$720 = \underline{\hspace{2cm}}$$

$$189 = \underline{\hspace{2cm}}$$

⑦ This 3 digit number has a sum of 12 when you add its digits. It rounds to 500. The hundreds digit is twice the ones digit. ~~What~~ What is it?

This 3 digit number rounds to 4.2. The product of its digits is 32. The sum of its digits is 13. What is it?