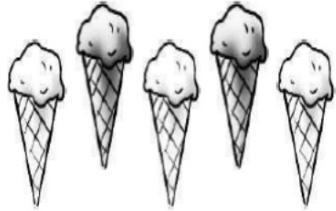


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Chapter 13, Lesson B: Relate Parts to its Whole (13.B.2)

Q1. There are 10 ice creams with vanilla or chocolate flavor.



Write the fraction.

a) $\frac{6}{10}$ of the ice creams are vanilla.

b) $\frac{4}{10}$ of the ice creams are chocolate.

Q2. Greg bought some tarts.

$\frac{1}{4}$ of the tarts were egg tarts while the rest were fruit tarts.

He bought 5 egg tarts.

How many tarts did he buy in all?

we have 4 groups of 5

$$4 \times 5 = 20$$

egg tarts 5
fruit tarts 15



$\frac{1}{4}$ is 5 egg tarts

20 tarts

Q3. Mandy has an 8 m rope.

She cut 3 m of it.

What fraction of the rope is left? $8 - 3 = 5$ m left

$$\frac{8}{8} - \frac{3}{8} = \frac{5}{8}$$

fraction left is $\frac{5}{8}$ m of rope

Q4. Louis, Calyn and Jen have some sweets each.

Jen has 6 sweets.

$\frac{1}{3} \frac{1}{3} \frac{1}{3}$
6 6 6

Louis says, "What Jen has is $\frac{1}{3}$ of the number of sweets I have."

Calyn says, "What Jen has is $\frac{1}{2}$ of the number of sweets I have."

Jen says, "Louis has the most sweets."

6 6
 $\frac{1}{2} \frac{1}{2}$

Jen has : 6

Calyn has : 12

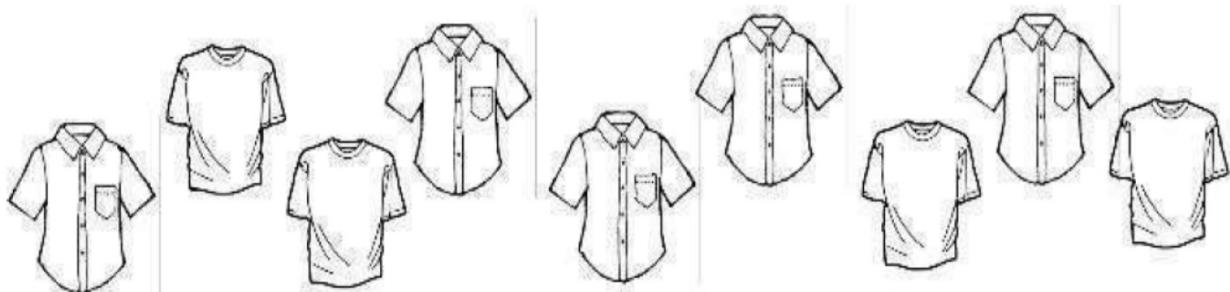
Louis has : 18

Jen has 6
Jen has half of Calyn so
Calyn has double of Jen
= $2 \times 6 = 12$
Jen has a third of Louis so
Louis has 3 times Jen
= $3 \times 6 = 18$

- Is Jen correct? Explain your answer.

Yes, because $18 > 12$ $18 > 6$

Q5. Adel has 9 shirts and T-shirts in his closet.

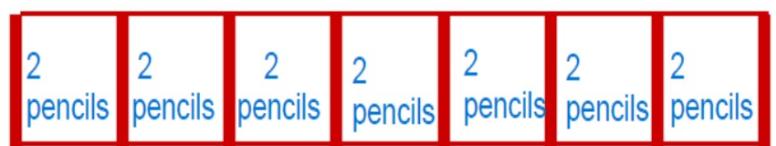
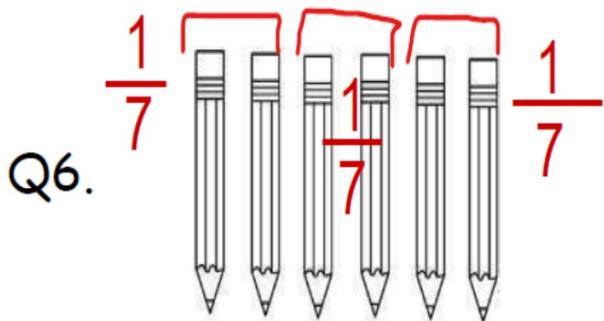


a) What is the fraction of the T-shirts?

$$\frac{4}{9}$$

b) What is the fraction of the shirts?

$$\frac{5}{9}$$



This is $\frac{3}{7}$ of the number of colouring pencils Angela has in her pencil case.

She broke 5 of them. How many colouring pencils does she have left?

Explain how you got your answer. $\frac{3}{7}$ is 6 pencils

we have 7 groups of 2 pencils

$$7 \times 2 = 14$$

all the pencils = 14

$$14 - 5 = 9 \text{ pencils left}$$