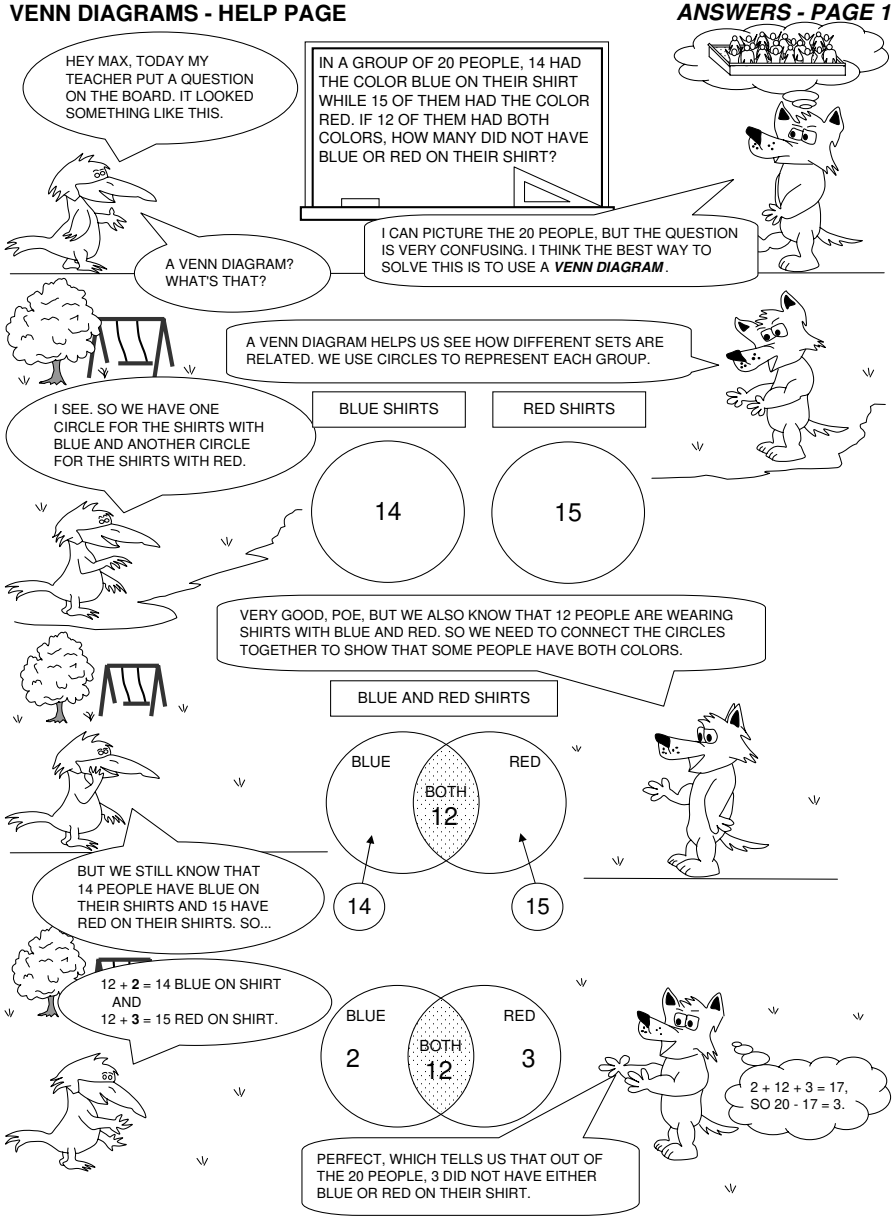
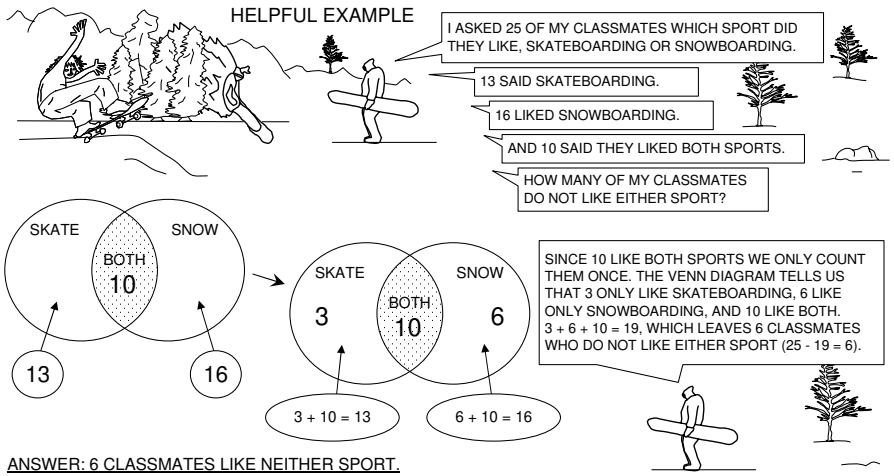
VENN DIAGRAMS - HELP PAGE

ANSWERS - PAGE 1



VENN DIAGRAMS - PRACTICE

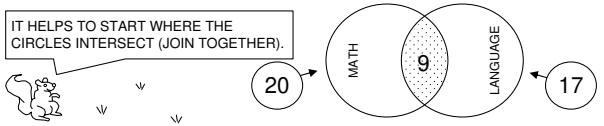
ANSWERS - PAGE 2



ANSWER: 6 CLASSMATES LIKE NEITHER SPORT.

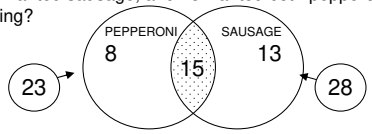
NOW YOUR TURN. USE A VENN DIAGRAM TO SOLVE THE PROBLEMS BELOW.

1. A class was asked what was their favorite subject. Twenty students liked mathematics, seventeen liked language, and nine students liked both subjects. How many students are in the class?



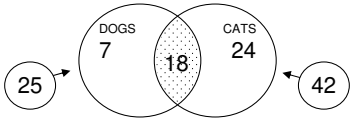
ONLY MATH: 11
ONLY LANGUAGE: 8
BOTH: 9
TOTAL: 28 STUDENTS

2. Steve's mom order pizza for his birthday party. 38 people showed up to his party. 23 of the guest wanted pepperoni, 28 of them wanted sausage, and 15 wanted both pepperoni and sausage. How many guest did not like either topping?



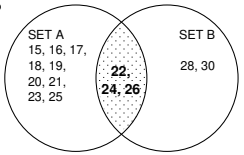
ONLY PEPPERONI: 8
ONLY SAUSAGE: 13
BOTH: 15
NEITHER TOPPINGS: 2

3. In John's neighborhood 25 families only have dogs, 42 of them have cats, and 18 families have both dogs and cats. If there are 64 families in the neighborhood, how many do not have cats or dogs?



ONLY DOGS: 7
ONLY CATS: 24
BOTH: 18
NEITHER: 15

4. You have two sets of numbers. Set A includes all counting numbers from 15 to 26 and Set B includes all even numbers between 21 and 31. If you draw a Venn Diagram what numbers will be in the intersection (what they have in common)?



SET A: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26
SET B: 22, 24, 26, 28, 30
INTERSECTION: 22, 24, 26