



Date: _____


W.S. (3.E.1): Find objects that stand for unknown



Objective: Recognise the use of an object to represent an unknown


quantity in addition and subtraction

Q1. Find the value of each object.



a)  +  = 20

 = 10

b)  +  = 60

 = 30

c)  +  = 40

d)  -  = 20

30 - 10

Q2. Franky has 20 dollars. After buying a book he has 5 dollars left. How much does the book cost?

$$\$20 - \text{📖} = \$5$$

$$\text{📖} \text{ is } \$ \underline{15}$$

Q3. Three identical ice creams cost 6 dollars.

$$\text{🍦} + \text{🍦} + \text{🍦} = 6$$

$$\text{🍦} = \underline{2}$$

Q4. $\text{👛} + \text{👛} = 20 \text{ marbles}$

Find the value of 👛 .

The value is 10.

Q5. $\$5 - \text{🍭} = \3

What is the cost of 🍭 ?


The cost is \$2.


Q6. $\$15 + \text{dress} = \38

What is the cost of dress?


The cost of the dress is \$23.

Q7. Find the value of each popsicle stick.


 + 8 = 16

 = 8


 -  = 19

 = 27


 +  = 39

 = 12

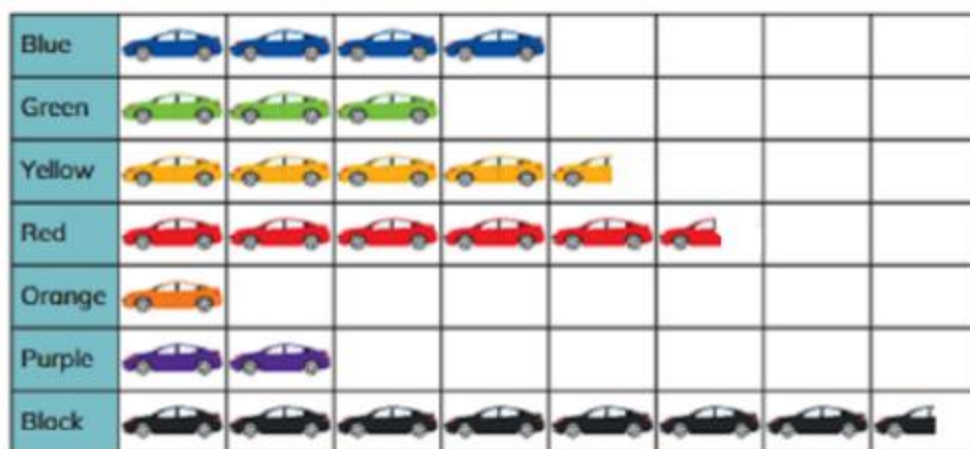
 +  = 55

 = 43

 -  = 17

 = 26

Q8. This pictogram shows the cars parked in a car park.



The key :  = 2 cars

- How many **black** cars are there? 15
- How many **red** cars are there? 11
- How many more **red** cars than **blue** cars are there?

$$11 - 8 = 3$$

- How many fewer **orange** cars than **purple** cars are there?

$$4 - 2 = 2$$

- How many cars are there **altogether**?

$$8 + 6 + 9 + 11 + 2 + 4 + 15 = 55$$

Q9. Two identical umbrellas cost \$18 in all.

What much does one umbrella cost?

$$\text{Umbrella} + \text{Umbrella} = \$18$$

$$\text{Umbrella} = 9$$

Each umbrella costs 9 dollars.

Q10. Two bags have 16 baseballs in all.

Each bag has the same number of baseballs.

How many baseballs are in each bag?

$$\text{Bag} + \text{Bag} = 16$$

$$\text{Bag} = 8$$

There are 8 baseballs in each bag.

Q11. Two identical books cost \$20.

How much does each book cost?

$$\text{Book} + \text{Book} = 20$$

$$\text{Book} = 10$$

Each book costs 10.

Q12. Mr Lee pays for a sandwich with a \$5 note.

He gets back \$2 change.

How much does the sandwich cost?

$$\text{🥪} + \$2 = \$5$$

$$\text{🥪} = \$5 - \$2$$

$$\text{🥪} = \underline{3}$$

The sandwich costs \$3.

Q13. Thomas has 20 marbles.

He puts some marbles in a bag.

6 marbles are not in the bag.

How many marbles are in the bag?

$$\text{👛} + 6 = 20$$

There are 14 marbles in the bag.

Q14. Grace took out 5 pencils from a pencil case.

There were now 7 pencils left in the pencil case.

How many pencils were there in the pencil case at first?

$$\text{pencil case} - 5 = 7$$

$$\text{pencil case} = 12$$

There were 12 pencils in the pencil case at first.

Q15. Find the value of each muffin.

$$\text{muffin} + \text{muffin} + \text{muffin} = 3$$

$$\text{muffin} = 1$$

Q16. The cost of a watch and bicycle is \$75.

The watch costs \$20.

$$\text{watch} + \text{bicycle} = 75$$

How much does the bicycle cost? 75 - 20 = 55