



Write equations with variables

Grade 5 Math Word Problems Worksheet

1. Vilma bought a portable radio for \$22 and 4 sets of headphones for $\$d$ each in an electronic shop yesterday. She paid a total of \$70. Solve for d .
2. Myrna used her 2 year-warranty cards for repairs to the 3 defective laptops from her order of 18 laptops. The other m laptops are working properly. Solve for m .
3. The original price of the portable speaker is \$46 and the portable fan is \$32. Carina paid \$38 for portable speakers after getting a discount of k . Solve for k .





4. The store manager, Michelle, received a delivery of 3 boxes of memory sticks and 2 boxes of selfie sticks from the supplier. Each box contains v memory sticks. She found that they received 360 memory sticks in all. Solve for v .
5. There were p digital cameras displayed in the gadget store. $\frac{3}{5}$ of them were waterproof digital cameras and the other 8 cameras were non-waterproof. Solve for p .
6. A touch screen cellphone weighs 70 grams while a tablet weighs 3 times as much as the touchscreen cell phones. Honey bought b tablets weighing a total of 630 grams. Solve for b .



Answers

1. $22 + 4d = 70$
 $4d = 70 - 22$
 $4d = 48$
 $d = 12$
2. $m + 3 = 18$
 $m = 15$
3. $46 - k = 38$
 $k = 8$
4. $3v = 360$
 $v = 120$
5. $1 - \frac{3}{5} = \frac{2}{5}$
 $\frac{2p}{5} = 8$
 $2p = 40$
 $p = 20$
6. $3(70) = 210$
 $210b = 630$
 $b = 3$