

Name _____

Solve Multi-Step Problems Using Equations

I Can solve real-world multi-step problems using multiplication, addition, and subtraction.

Florida's B.E.S.T.

- Algebraic Reasoning 4.AR.1.1
- Number Sense & Operations 4.NSO.2.3, 4.NSO.2.1
- Mathematical Thinking & Reasoning MTR.2.1, MTR.3.1, MTR.4.1, MTR.5.1



UNLOCK the Problem

Chris's computer has 3 hard drives with 64 gigabytes of space each, and 2 hard drives with 16 gigabytes of space each. The files on his computer use 78 gigabytes of space. How much hard drive space does his computer have left?



Share and Show

Math
Board

1. Carnie and Doug bake cookies to sell at a bake sale. Carnie makes 3 batches of 17 cookies each and Doug makes 3 batches of 20 cookies each. After ten minutes at the bake sale, they sold 32 cookies. How many cookies do Carnie and Doug have left to sell?
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- ✓ 2. Dyani buys 3 bags of lollipops, with 12 lollipops in each bag. She also buys 4 bags of gum, with 11 pieces in each bag. How many lollipops and pieces of gum does Dyani have?
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- ✓ 3. Simba has 4 boxes with 32 marbles in each box. He has 7 boxes with 18 shells in each box. If he gets 20 marbles from a friend, how many marbles and shells does he have?
-

On Your Own

4. Mario drove 60 miles each day to and from work for 5 days. Then he drove 54 miles each day on Saturday and Sunday. How many miles did Mario drive during those seven days?
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5. Keqing has 3 binders with 25 stamps in each binder. She has 5 binders with 24 baseball cards in each binder. If she gives 35 stamps to a friend, how many stamps and cards does she have left?
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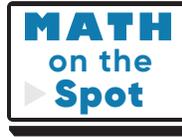
Math
Talk

MTR
3.1 Complete tasks with mathematical fluency.

Explain why in Problem 1 you added during step 3 instead of multiplying.

Name _____

6. Dominic has 5 books with 12 postcards in each book. He has 4 boxes with 20 coins in each box. If he gives 15 postcards to a friend, how many postcards and coins does he have?



Problem Solving · Applications

Fill in the bubble completely to show your answer.

7. Eric is getting his mountain climbing certificate. There are 63 days that Eric climbs for 2 hours, there are 97 days that he climbs for 1 hour, and there are 22 days that he climbs for 3 hours. How many more hours does Eric need to climb until he earns a certificate for climbing 500 hours?
- (A) 211 hours (C) 318 hours
(B) 289 hours (D) 321 hours
8. Hanh has 315 photos that she wants to put into albums. She buys 4 albums that hold 24 photos each. There are 3 albums that hold 72 photos each. Hanh plans to put any leftover photos into frames. How many frames will Hanh need to buy?
- (A) 0 (C) 5
(B) 3 (D) 13
9. The soccer team sells 54 bagels with cream cheese for \$2 each and 36 muffins for \$1 each during a bake sale. The coach uses the bake sale money to buy socks for the 14 players at \$6 a pair. How much money does the coach have left to buy soccer balls?
- (A) \$0 (C) \$60
(B) \$27 (D) \$138
10. Trina has 2 bags with 14 pinecones in each bag. She has 7 boxes with 15 acorns in each box. If she trades 5 pinecones for 10 acorns, how many pinecones and acorns does she have?
- (A) 28
(B) 105
(C) 133
(D) 138