



Mixed Four Operations Word Problems

Grade 5

Name: _____

Solve each word problem. Show your work.

Some problems have two steps. Write the equation for each step, then circle your final answer.

Example: Example: There are 3 boxes with 5 pens in each and 4 extra pens. $3 \times 5 = 15$, then $15 + 4 = 19$ pens.

- (1) A baker made 450 chocolate chip cookies. She also made 3.5 times as many oatmeal cookies. If she sold 1,200 oatmeal cookies, how many oatmeal cookies are left? _____ 

- (2) The zoo has 12.5 acres for lions and 15.5 acres for tigers. They want to divide the total area equally among 7 new enclosures. How many acres will each enclosure have? _____ 

- (3) A science fair had 250 projects. If 50 projects were about plants, and the remaining projects were about animals, how many display boards were needed if each animal project used 3.5 boards? _____ 

- (4) For a birthday party, 6.5 liters of juice were bought. If each guest drinks 0.5 liters, how many guests can drink juice? If 8 more guests arrive, how many total guests will be at the party? _____ 



(5) A farmer planted 15 rows of apple trees, with 20 trees in each row, plus 10 extra trees along the fence. If he wants to divide all the trees equally among 5 sections of his orchard, how many trees will be in each section? _____ 

(6) A space mission launched 3 rockets, each carrying 1,500.5 kg of equipment. They then added another 248.5 kg of supplies. What is the total weight of all equipment and supplies? _____ 

(7) A sports store had 750.5 kg of sports equipment. They sold 150.5 kg in the morning. The remaining equipment was packed into 12 equal boxes. How many kilograms of equipment were in each box? _____ 

(8) An aquarium has 2,500 liters of water in its main tank. They added 500.5 liters of saltwater and then removed 250.5 liters for cleaning. How many liters of water are in the tank now? _____ 

