

1. Abigail read somewhere that there were an average of 435 ants in every ant bed. She has 72 ant beds in her yard. How many ants would that be?

5.3.B Multi-Digit Multiplication: Word Problems - PS

2. Asher's pin factory has made 7,743 pins for each of the last 6 days. How many pins is that in all?

5.3.B Multi-Digit Multiplication: Word Problems - PS

3. Finn works at a candy store. He is packing bags of extra fancy chocolates. Each bag has 14 chocolates, and he has filled 83 bags. How many chocolates is that?

5.3.B Multi-Digit Multiplication: Word Problems - PS

4. Anthony works at the zoo. He has two elephants that, strange as it may seem, eat exactly the same amount of food every day. If one elephant has eaten 3,708 pounds of food since the beginning of the month, how many pounds of food have both elephants eaten?

5.3.B Multi-Digit Multiplication: Word Problems - PS

5. Brianna works for a sea animal rescue group. This month she had a special fundraiser called "sponsor a manatee." For a donation of \$325, donors could become the official sponsor of a manatee. She sold 54 of these sponsorships. How much money did she make?

5.3.B Multi-Digit Multiplication: Word Problems - PS

6. Carlotta the Cavity Queen eats WAY too much candy. Last month she ate 93 bags of butterscotch with 65 pieces of butterscotch candy in each bag. How many pieces of butterscotch did she eat?

5.3.B Multi-Digit Multiplication: Word Problems - PS

## 5.3.B– Multiplication word problems

### Problem Set 1

|                                        |                                        |                                       |                                        |                                       |                                        |
|----------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|
| <b>1</b><br>$435 \times 72 = 31,320$   | <b>2</b><br>$7743 \times 6 = 46,458$   | <b>3</b><br>$14 \times 83 = 1,162$    | <b>4</b><br>$3708 \times 2 = 7,416$    | <b>5</b><br>$325 \times 54 = 17,550$  | <b>6</b><br>$93 \times 65 = 6,045$     |
| <b>7</b><br>$4,636 \times 6 = 27,816$  | <b>8</b><br>$8,782 \times 5 = 43,910$  | <b>9</b><br>$82 \times 60 = 4,920$    | <b>10</b><br>$77 \times 11 = 847$      | <b>11</b><br>$804 \times 79 = 63,516$ | <b>12</b><br>$908 \times 47 = 42,676$  |
| <b>13</b><br>$4,249 \times 9 = 38,241$ | <b>14</b><br>$52 \times 80 = 4,160$    | <b>15</b><br>$905 \times 80 = 72,400$ | <b>16</b><br>$9,630 \times 5 = 48,150$ | <b>17</b><br>$83 \times 24 = 1,992$   | <b>18</b><br>$394 \times 71 = 27,974$  |
| <b>19</b><br>$3,923 \times 9 = 35,307$ | <b>20</b><br>$49 \times 55 = 2,695$    | <b>21</b><br>$977 \times 45 = 43,965$ | <b>22</b><br>$256 \times 32 = 8,192$   | <b>23</b><br>$13 \times 18 = 234$     | <b>24</b><br>$6,024 \times 8 = 48,192$ |
| <b>25</b><br>$65 \times 24 = 1,560$    | <b>26</b><br>$8,117 \times 2 = 16,234$ | <b>27</b><br>$97 \times 64 = 6,208$   | <b>28</b><br>$163 \times 83 = 13,529$  | <b>29</b><br>$986 \times 34 = 33,524$ | <b>30</b><br>$8,446 \times 7 = 59,122$ |

7. Hamburger Heaven offers a 5-patty burger called the “Zipper-Ripper.” It has 4,636 calories. If you eat 1 Zipper-Ripper a day for 6 days, how many calories would that be?

8. An average of 8,782 babies a day were born in the USA in 1976. How many babies is that for 5 days?

9. Deion is packing up crates of basketballs for the Olympics. Each crate has 60 basketballs, and he is packing 82 crates. How many basketballs will that be in all?

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

10. Alexis is in charge of buying football helmets for a large school district. There are 77 football squads in the district and each squad needs 11 helmets. How many helmets does Alexis need to buy?

11. Chloe makes colorful necklaces. Each necklace has 804 beads of all different colors. She just got a large order for 79 necklaces. How many beads will she need to make all those necklaces?

12. Aniya makes sculptures out of butter. Her most popular sculpture is a cow. She has made 47 cow sculptures. Each sculpture requires 908 pounds of butter. How much butter has Aniya used on her cow sculptures?

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

## 5.3.B– Multiplication word problems

### Problem Set 2

|                                        |                                        |                                       |                                        |                                       |                                        |
|----------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|
| <b>1</b><br>$435 \times 72 = 31,320$   | <b>2</b><br>$7743 \times 6 = 46,458$   | <b>3</b><br>$14 \times 83 = 1,162$    | <b>4</b><br>$3708 \times 2 = 7,416$    | <b>5</b><br>$325 \times 54 = 17,550$  | <b>6</b><br>$93 \times 65 = 6,045$     |
| <b>7</b><br>$4,636 \times 6 = 27,816$  | <b>8</b><br>$8,782 \times 5 = 43,910$  | <b>9</b><br>$82 \times 60 = 4,920$    | <b>10</b><br>$77 \times 11 = 847$      | <b>11</b><br>$804 \times 79 = 63,516$ | <b>12</b><br>$908 \times 47 = 42,676$  |
| <b>13</b><br>$4,249 \times 9 = 38,241$ | <b>14</b><br>$52 \times 80 = 4,160$    | <b>15</b><br>$905 \times 80 = 72,400$ | <b>16</b><br>$9,630 \times 5 = 48,150$ | <b>17</b><br>$83 \times 24 = 1,992$   | <b>18</b><br>$394 \times 71 = 27,974$  |
| <b>19</b><br>$3,923 \times 9 = 35,307$ | <b>20</b><br>$49 \times 55 = 2,695$    | <b>21</b><br>$977 \times 45 = 43,965$ | <b>22</b><br>$256 \times 32 = 8,192$   | <b>23</b><br>$13 \times 18 = 234$     | <b>24</b><br>$6,024 \times 8 = 48,192$ |
| <b>25</b><br>$65 \times 24 = 1,560$    | <b>26</b><br>$8,117 \times 2 = 16,234$ | <b>27</b><br>$97 \times 64 = 6,208$   | <b>28</b><br>$163 \times 83 = 13,529$  | <b>29</b><br>$986 \times 34 = 33,524$ | <b>30</b><br>$8,446 \times 7 = 59,122$ |

13. Esmeralda is the jeweler for the Kingdom of Hasmuchia. The Queen of Hasmuchia has 9 daughters, and Esmeralda is making identical jeweled tiaras for the princesses to wear to a festival. Each tiara will have 4,249 sparkling jewels. How many jewels will that be in all?

5.3.B Multi-Digit Multiplication: Word Problems - PS

14. Garrison makes specially designed decks of playing cards. He hand paints each card. So far, he has made 80 decks and each deck has 52 cards. How many hand painted cards has Garrison made?

5.3.B Multi-Digit Multiplication: Word Problems - PS

15. Minerva loves polka dotted dresses, but she is very particular. Each dress must have exactly 905 polka dots. So far, she has 80 dresses with 905 polka dots each. How many dots is that in all?

5.3.B Multi-Digit Multiplication: Word Problems - PS

16. The elves at Santa's Candy Cane Factory have a very efficient process for making candy canes. They can make 9,630 candy canes a week. How many candy canes is that in 5 weeks?

5.3.B Multi-Digit Multiplication: Word Problems - PS

17. Brianna works for a sea animal rescue group. So far, she has rescued 83 baby sea otters. They each eat 24 sardines a day for breakfast. How many sardines is that each day?

5.3.B Multi-Digit Multiplication: Word Problems - PS

18. Muscular Marvin loves doing sit ups. He has done 394 sit ups a day for the last 71 days. How many sit ups is that?

5.3.B Multi-Digit Multiplication: Word Problems - PS

## 5.3.B– Multiplication word problems

### Problem Set 3

|                                            |                                            |                                           |                                            |                                           |                                            |
|--------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|
| <b>1</b><br><br>$435 \times 72 = 31,320$   | <b>2</b><br><br>$7743 \times 6 = 46,458$   | <b>3</b><br><br>$14 \times 83 = 1,162$    | <b>4</b><br><br>$3708 \times 2 = 7,416$    | <b>5</b><br><br>$325 \times 54 = 17,550$  | <b>6</b><br><br>$93 \times 65 = 6,045$     |
| <b>7</b><br><br>$4,636 \times 6 = 27,816$  | <b>8</b><br><br>$8,782 \times 5 = 43,910$  | <b>9</b><br><br>$82 \times 60 = 4,920$    | <b>10</b><br><br>$77 \times 11 = 847$      | <b>11</b><br><br>$804 \times 79 = 63,516$ | <b>12</b><br><br>$908 \times 47 = 42,676$  |
| <b>13</b><br><br>$4,249 \times 9 = 38,241$ | <b>14</b><br><br>$52 \times 80 = 4,160$    | <b>15</b><br><br>$905 \times 80 = 72,400$ | <b>16</b><br><br>$9,630 \times 5 = 48,150$ | <b>17</b><br><br>$83 \times 24 = 1,992$   | <b>18</b><br><br>$394 \times 71 = 27,974$  |
| <b>19</b><br><br>$3,923 \times 9 = 35,307$ | <b>20</b><br><br>$49 \times 55 = 2,695$    | <b>21</b><br><br>$977 \times 45 = 43,965$ | <b>22</b><br><br>$256 \times 32 = 8,192$   | <b>23</b><br><br>$13 \times 18 = 234$     | <b>24</b><br><br>$6,024 \times 8 = 48,192$ |
| <b>25</b><br><br>$65 \times 24 = 1,560$    | <b>26</b><br><br>$8,117 \times 2 = 16,234$ | <b>27</b><br><br>$97 \times 64 = 6,208$   | <b>28</b><br><br>$163 \times 83 = 13,529$  | <b>29</b><br><br>$986 \times 34 = 33,524$ | <b>30</b><br><br>$8,446 \times 7 = 59,122$ |

19. Aunt Jean, the ant farmer, bought 9 new ant farms. Each farm had 3,923 ants. How many ants did Aunt Jean buy?

20. Annoying Albert has 49 plastic spiders that he likes to drop on unsuspecting people to annoy them. Albert's best friend Emeline has 55 TIMES as many plastic spiders as Albert. That is SUPER annoying! How many plastic spiders does Emeline have?

21. Dr. Sylvia, the Scientist, has invented a new mosquito killing pill. For every pill you take, 977 mosquitos who bite you will die instantly! The pills come in bottles of 45 pills each. If you take all the pills in one bottle, how many mosquitos could perish because of you?

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

22. Anthony works at the zoo. He is in charge counting the spots on the leopards. The zoo has 32 leopards. If each leopard has 256 spots, how many spots will Anthony count in all?

23. Elaine's Exotic food Emporium is running a special on giant chocolate-covered dill pickles for just \$13 a piece! You have 18 cousins, and you would like to get each one of them a giant chocolate-covered pickle. How much is that going to cost you?

24. There are 6,024 students in the Hasmuchia Independent School District. The Queen of Hasmuchia would like to buy each student 8 gold-encrusted pencils to start the new school year. How many gold encrusted pencils does she need to buy?

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

5.3.B Multi-Digit Multiplication: Word Problems - PS

## 5.3.B– Multiplication word problems

### Problem Set 4

|                                            |                                            |                                           |                                            |                                           |                                            |
|--------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|
| <b>1</b><br><br>$435 \times 72 = 31,320$   | <b>2</b><br><br>$7743 \times 6 = 46,458$   | <b>3</b><br><br>$14 \times 83 = 1,162$    | <b>4</b><br><br>$3708 \times 2 = 7,416$    | <b>5</b><br><br>$325 \times 54 = 17,550$  | <b>6</b><br><br>$93 \times 65 = 6,045$     |
| <b>7</b><br><br>$4,636 \times 6 = 27,816$  | <b>8</b><br><br>$8,782 \times 5 = 43,910$  | <b>9</b><br><br>$82 \times 60 = 4,920$    | <b>10</b><br><br>$77 \times 11 = 847$      | <b>11</b><br><br>$804 \times 79 = 63,516$ | <b>12</b><br><br>$908 \times 47 = 42,676$  |
| <b>13</b><br><br>$4,249 \times 9 = 38,241$ | <b>14</b><br><br>$52 \times 80 = 4,160$    | <b>15</b><br><br>$905 \times 80 = 72,400$ | <b>16</b><br><br>$9,630 \times 5 = 48,150$ | <b>17</b><br><br>$83 \times 24 = 1,992$   | <b>18</b><br><br>$394 \times 71 = 27,974$  |
| <b>19</b><br><br>$3,923 \times 9 = 35,307$ | <b>20</b><br><br>$49 \times 55 = 2,695$    | <b>21</b><br><br>$977 \times 45 = 43,965$ | <b>22</b><br><br>$256 \times 32 = 8,192$   | <b>23</b><br><br>$13 \times 18 = 234$     | <b>24</b><br><br>$6,024 \times 8 = 48,192$ |
| <b>25</b><br><br>$65 \times 24 = 1,560$    | <b>26</b><br><br>$8,117 \times 2 = 16,234$ | <b>27</b><br><br>$97 \times 64 = 6,208$   | <b>28</b><br><br>$163 \times 83 = 13,529$  | <b>29</b><br><br>$986 \times 34 = 33,524$ | <b>30</b><br><br>$8,446 \times 7 = 59,122$ |



25. Kimber was making cookies for the soccer tournament. There are 65 teams participating and he needs to make 24 cookies for each team. How many cookies does Kimber need to make?

5.3.B Multi-Digit Multiplication: Word Problems - PS

26. The Queen of Hasmuchia would like to buy two identical unicorns for her identical twin daughters to ride in the Hasmuchia Independence Day parade. She found unicorns on Amazon for \$8,117 a piece. How much will it cost her to buy 2?

5.3.B Multi-Digit Multiplication: Word Problems - PS

27. Finn works at a warehouse. He is packing cases of flashlights. Each case has 64 flashlights, and he will pack 97 cases. How many flashlights will he pack in all?

5.3.B Multi-Digit Multiplication: Word Problems - PS

28. Anthony works at the zoo. His zoo has 83 monkeys, and each monkey eats 163 pounds of monkey chow in a year. How many pounds of monkey chow is that per year?

5.3.B Multi-Digit Multiplication: Word Problems - PS

29. Brianna works for a sea animal rescue group specializing in rescuing Manatees. She has rescued 34 Manatees. If the Manatees weighed an average of 986 pounds apiece, how many pounds of Manatee has Brianna rescued altogether?

5.3.B Multi-Digit Multiplication: Word Problems - PS

30. Ridiculous Rachel has started a business raising purple lady bugs. She turns them purple by giving them grape juice to drink. One gallon of grape juice is enough to turn 8,446 ladybugs from red to purple. How many ladybugs could she turn purple with 7 gallons of grape juice?

5.3.B Multi-Digit Multiplication: Word Problems - PS

## 5.3.B– Multiplication word problems

### Problem Set 5

|                                        |                                        |                                       |                                        |                                       |                                        |
|----------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------|
| <b>1</b><br>$435 \times 72 = 31,320$   | <b>2</b><br>$7743 \times 6 = 46,458$   | <b>3</b><br>$14 \times 83 = 1,162$    | <b>4</b><br>$3708 \times 2 = 7,416$    | <b>5</b><br>$325 \times 54 = 17,550$  | <b>6</b><br>$93 \times 65 = 6,045$     |
| <b>7</b><br>$4,636 \times 6 = 27,816$  | <b>8</b><br>$8,782 \times 5 = 43,910$  | <b>9</b><br>$82 \times 60 = 4,920$    | <b>10</b><br>$77 \times 11 = 847$      | <b>11</b><br>$804 \times 79 = 63,516$ | <b>12</b><br>$908 \times 47 = 42,676$  |
| <b>13</b><br>$4,249 \times 9 = 38,241$ | <b>14</b><br>$52 \times 80 = 4,160$    | <b>15</b><br>$905 \times 80 = 72,400$ | <b>16</b><br>$9,630 \times 5 = 48,150$ | <b>17</b><br>$83 \times 24 = 1,992$   | <b>18</b><br>$394 \times 71 = 27,974$  |
| <b>19</b><br>$3,923 \times 9 = 35,307$ | <b>20</b><br>$49 \times 55 = 2,695$    | <b>21</b><br>$977 \times 45 = 43,965$ | <b>22</b><br>$256 \times 32 = 8,192$   | <b>23</b><br>$13 \times 18 = 234$     | <b>24</b><br>$6,024 \times 8 = 48,192$ |
| <b>25</b><br>$65 \times 24 = 1,560$    | <b>26</b><br>$8,117 \times 2 = 16,234$ | <b>27</b><br>$97 \times 64 = 6,208$   | <b>28</b><br>$163 \times 83 = 13,529$  | <b>29</b><br>$986 \times 34 = 33,524$ | <b>30</b><br>$8,446 \times 7 = 59,122$ |