Litter-ly Puppies – Grade 2

Bulldog mothers usually give birth to 4 (four) puppies per litter.

1) Below each puppy image, write the number of eyes each dog has.
2) Write the symbol for addition between each number you wrote.
3) Solve!

_______  _______  _______  _______  =  _______ Total Eyes

4) Since there are _______ dogs pictured above, and each dog has _______ eye(s) each

_______  X  _______ = _______ Total Eyes

Addition and Subtraction: Complete Each.

5) 2 + 3 = _____  11) 9 + 11 = _____  17) 18 - 2 = _____
6) 14 + 6 = _____  12) 15 + 5 = _____  18) 13 - 7 = _____
7) 8 + 4 = _____  13) 17 + 2 = _____  19) 12 - 12 = _____
8) 9 + 5 = _____  14) 13 - 3 = _____  20) 11 - 7 = _____
9) 7 + 8 = _____  15) 15 - 5 = _____  21) 14 - 4 = _____
10) 3 + 7 = _____  16) 12 - 5 = _____  22) 11 - 6 = _____

23. Using a ruler, measure from the first Poodle’s nose to the black dot above the fourth Poodle’s tail.

24. The length you measured is ______ inches. This represents how long a Poodle puppy is when born!

25. Since poodles usually have 4 puppies in each litter, how long would all 4 puppies be if you lined them up?

__________________________________________________________________________

26. Suppose a Poodle only gave birth to a litter of 3 puppies.
How long would the 3 puppies be? ______________________________________________________________________
Representing and interpreting data.

27. Using the bar graph above, how many puppies per litter does a;
   a) Labrador Retriever have? __________
   b) Poodle have? __________
   c) Beagle have? __________

28. Make a bar graph below to show the following information provided by the American Kennel Club (AKC);
Average number of puppies per litter:
German Shepherd Dog- 6 puppies    Yorkshire Terrier- 3 puppies    Rottweiler- 6 puppies    Boxer- 5 puppies
Litter-ly Puppies – Grade 3

Name ____________________

1. Beagles usually have 5 puppies in each litter. If a Beagle named Butterscotch has a litter of 5 puppies each year for 6 years, how many total puppies would she have? Fill in the blanks below!

\[
\text{Number of puppies per litter} \times \text{Number of years Butterscotch had litters} = \text{Total number of puppies Butterscotch had!}
\]

2. The puppies below represent the total number of puppies a Beagle named Ladybug had over her lifetime. If she had 1 litter of (5) puppies per year, for how many total years did Ladybug have puppies? Solve below.

3. Complete the problems below. You may choose to set up 11-14 differently and solve in the space provided ↓.

4) 64  
8) 64  
\[\frac{-28}{+28}\]  
\[77 \div 11 = \]  
\[x \ 7\]

5) 98  
9) 98  
\[\frac{-39}{+39}\]  
\[51 \div 17 = \]  
\[x \ 3\]

6) 47  
10) 47  
\[\frac{-38}{+38}\]  
\[99 \div 3 = \]  
\[x \ 3\]

Below is the number of puppies a Labrador Retriever named Bina had each of the past few years;

<table>
<thead>
<tr>
<th>Year</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Puppies</td>
<td>8</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>6</td>
<td>7</td>
<td>___</td>
<td>___</td>
</tr>
</tbody>
</table>
19. Analyze the pattern and predict, in the spaces above year 7 and 8, how many puppies Bina will have those years.

20. Add up the total number of puppies Bina would have over 8 years. What is the average number of puppies Bina had each year? Show your work.

**Cups of food by weight and age of Puppy**

<table>
<thead>
<tr>
<th>Weight of dog (pounds)</th>
<th>6-11 Weeks old</th>
<th>3-4 Months old</th>
<th>5-7 Months old</th>
<th>8-12 Months old</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-5</td>
<td>1 ¼</td>
<td>1</td>
<td>¾</td>
<td>¾</td>
</tr>
<tr>
<td>5-10</td>
<td>2</td>
<td>1 ¼</td>
<td>1 ¼</td>
<td>1</td>
</tr>
<tr>
<td>10-20</td>
<td>3 ¼</td>
<td>2 ½</td>
<td>1 ¼</td>
<td>1 ¼</td>
</tr>
<tr>
<td>20-30</td>
<td>4 ½</td>
<td>3 ¼</td>
<td>2 ¼</td>
<td>1 ¾</td>
</tr>
<tr>
<td>30-40</td>
<td>*</td>
<td>4 ½</td>
<td>3</td>
<td>2 ½</td>
</tr>
</tbody>
</table>

1 cup = 8 oz = ½ pound

21) A) Time period 1: 6-11 weeks is 5 total weeks. B) There are _____ days per week. C) Total days Sammy is in time period 1 (show work): _________________________________

22) A) Time period 2: 3-4 months is approximately 9 total weeks. B) Total days Sammy is in time period 2 (show work): _________________________________

23) A) Time period 3: 5-7 months is approximately 13 total weeks. B) Total days Sammy is in time period 3 (show work): _________________________________

24) A) Time period 4: 8-12 months is approximately 18 total weeks. B) Total days Sammy is in time period 4 (show work): _________________________________

Using both the food chart and Sammy’s estimated growth chart above, complete the table. You may use the space below the table to work out any problems.

<table>
<thead>
<tr>
<th>Time Period 1</th>
<th>Time Period 2</th>
<th>Time Period 3</th>
<th>Time Period 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-11 Weeks</td>
<td>3-4 Months</td>
<td>5-7 Months</td>
<td>8-12 Months</td>
</tr>
<tr>
<td>Amount of food Sammy needs each day</td>
<td>cups</td>
<td>cups</td>
<td>cups</td>
</tr>
<tr>
<td>Amount of food Sammy needs each week</td>
<td>cups</td>
<td>cups</td>
<td>cups</td>
</tr>
<tr>
<td>Total amount of food Sammy needs for this time period</td>
<td>cups</td>
<td>cups</td>
<td>cups</td>
</tr>
</tbody>
</table>

Litter-ly Puppies – Grade 4

Name ____________________
Using Table 1, answer questions 1-3.
1) If one dog of each of these breeds gave birth to a litter, how many total puppies would there be (show work)? _________________________________

2) What is the average number of puppies per dog if 1 dog of each breed gave birth to a litter (show work)? _________________________________

3) If there are 3 dogs of different breeds and 17 total puppies are born, what are the breeds of the dogs?
__________________________________________________________________________________________

4. Construct a bar graph that displays the information in Table 1. Don’t forget to label!

Number of Puppies Per Litter

Solve each.

5) \[ 279 + 98 \]

6) \[ 279 - 98 \]

7) \[ 279 \times 98 \]

8) \[ \sqrt[9]{279} \]

9) \[ \frac{1}{4} + \frac{3}{4} + \frac{1}{4} = \] __________

10) \[ \frac{2}{3} + \frac{2}{3} - \frac{1}{3} = \] __________

11) \[ 0.5 + \frac{3}{4} + \frac{1}{2} - 0.25 = \] __________
There is no better time to start training a dog than when it is a puppy. Training them to respond to commands such as “SIT”, “STAY”, “SHAKE”, “LOOK AT ME”, “LAY DOWN”, and “COME” are not only fun, but help keep your dog safe, happy, and engaged. Usually, rewarding correct behaviors by giving your puppy a treat helps them to understand and learn what they should and should not do.

Taylor’s Golden Retriever recently gave birth to a litter of 7 puppies! Taylor has just started to train each of them. Let’s try and help Taylor plan out not only how many treats she is going to need, but how much it’s going to cost to buy the amount of treats she will need.

**AVERAGE NUMBER OF TREATS EACH PUPPY EARNED PER DAY**

<table>
<thead>
<tr>
<th>PUPPIES</th>
<th>NUMBER OF TREATS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SALLY</td>
<td>0</td>
</tr>
<tr>
<td>BENJI</td>
<td>1</td>
</tr>
<tr>
<td>MUFFINS</td>
<td>6</td>
</tr>
<tr>
<td>SHADOW</td>
<td>0</td>
</tr>
<tr>
<td>FINLEY</td>
<td>4</td>
</tr>
<tr>
<td>PRANCER</td>
<td>1</td>
</tr>
<tr>
<td>SKIPPER</td>
<td>6</td>
</tr>
</tbody>
</table>

**Treat Box contains 100 Treats and Costs $1.00.** Show work and solve each question below.

12. How many total treats is Taylor giving the 7 puppies each day? ____________________________

13. How many total treats is Taylor giving the 7 puppies each week? ____________________________

14a. How many total boxes of treats does Taylor need each week? ____________________________

14b. Write the answer as a fraction ____________________

15a. What is Taylor’s total cost to train the 7 puppies every 2 weeks? ____________________________

15b. Write the answer as a fraction ____________________

**If Taylor trains all 7 dogs for a full year (52 weeks);**

16. How many total treats will her puppies have earned? ____________________________

17a. How many total boxes of treats will be needed? ________

17b. Write the answer as a fraction ________

18. What will the total cost of all the boxes be for the year? ____________________