## MATH FINAL EXAM

Dear Parents,

Please revise these worksheets with your children for the final exam on **9/12/2018** in addition the required pages in the books as follows:

**CHAPTER 1: Addition and subtraction within 1000**

LESSON 1.2

LESSON 1.3

LESSON 1.5

LESSON 1.8

**CHAPTER 2: Represent and Interpret Data**

LESSON 2.2

LESSON 2.4

**CHAPTER 3: Understand Multiplication**

LESSON 3.1

LESSON 3.2

LESSON 3.5

LESSON 3.7

| Math | **Revision sheet (TERM 1)** | |
|------|-----------------------------|---|
| **Name :** | **Date :  / 11 / 2018** | **Grade : 3 /** |

Common core standard: 3.OA.D.9, 3.NBT.A.1, 3.NBT.A.2, 3.MD.B.3, 3.OA.A.1, 3.OA.A.3, 3.OA.B.5

1. **Round to the <u>nearest ten</u>.**

55 ___        166 ___        424 ___        22 ___        39 ____

2. **Round to the <u>nearest hundred</u>.**

154___        349 ___        795 ___        95 ___        508 ___

3. **Use <u>rounding</u> to estimate the <u>sum</u>**

1.  42    _____        2.  523    _____        3.  235    _____
  + 36  + _____          + 117  + _____          + 374  + _____

4.  23    _____        5.  254    _____        6.  299    _____
  + 99  + _____          + 167  + _____          + 199  + _____

4. **Use rounding to estimate the <u>difference</u>**

1.  92    _____        2.  271    _____        3.  517    _____
  − 43  − _____          − 152  − _____          − 249  − _____

4.  445    _____        5.  92    _____        6.  776    _____
  − 112  − _____          − 65  − _____          − 384  − _____

5. **Use addition properties and strategies to find the sum.**

   15  20 + 14 = _____                    12 + 36 + 18 + 14 = _____

6. **Count equal groups to find how many.**
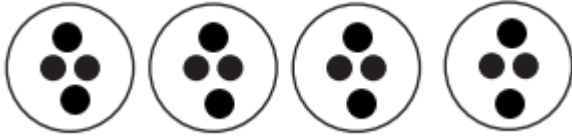
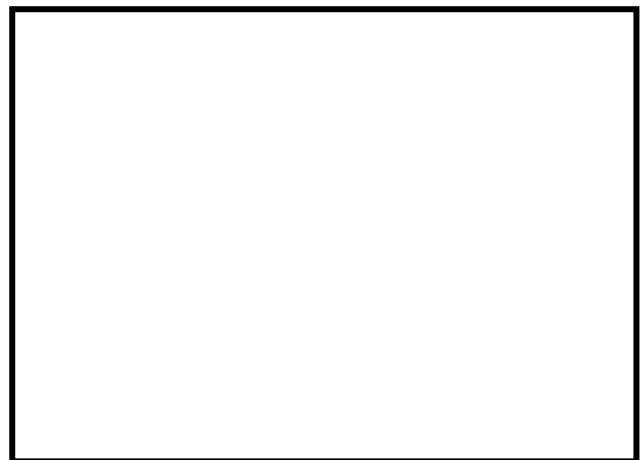   ___ groups of ___                        ___ groups of ___
   _____ in all                             _____ in all
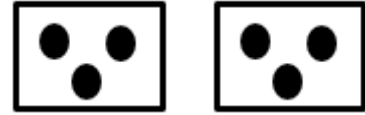
7. **Draw a quick picture to show the equal groups. Then write <u>related addition</u> and <u>multiplication sentences</u>.**

   **2 groups of 5**                        **5 groups of 3**

   _____              _____

   _____              _____

8. Mariam buys 3 packs of red peppers and 4 packs of green peppers. Each pack has 4 peppers. How many peppers does Mariam buy?

_____

_____

9. There are 2 rows of football players in a playground. Each row has 7 students. How many football players are there in all?
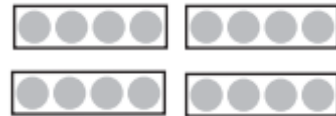
_____

_____

10. Write related addition and multiplication sentences for the model.

___ + ___ + ___ + ___ = ____          ___ + ___ + ____ + ____ = ____

____ x _____ = _____          ____ x _____ = _____

11. Find the product.

88 x 0 = ___          197 x 1 = ____          1 x 51 = ____          10 x 1 = ___

5 x 1 = ___          0 x 0 = ____          ___ x 1 = 93          19 x ___ = 0

12. Write a multiplication sentence for the array.

_____ x _____ = _____

_____ x _____ = _____

**Use the Favorite Ice Pop Flavor picture graph for 1–4.**

**1.** How many people chose orange?

_____

**2.** How many people chose lemon?

_____

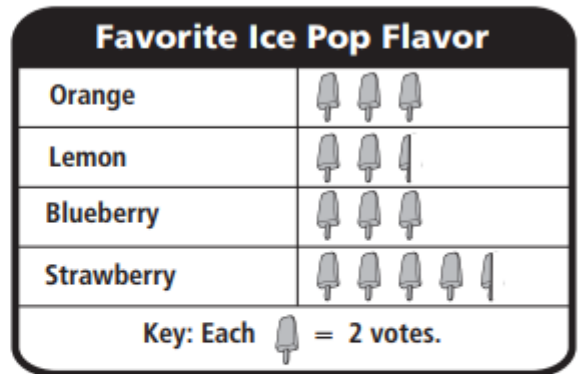| Favorite Ice Pop Flavor | |
|---|---|
| Orange | 🍦 🍦 🍦 |
| Lemon | 🍦 🍦 🍦 |
| Blueberry | 🍦 🍦 🍦 |
| Strawberry | 🍦 🍦 🍦 🍦 🍦 |

Key: Each 🍦 = 2 votes.

**3.** How many fewer people chose lemon than chose strawberry?

_____

**4.** How many people in all were surveyed?

_____

**Use the Favorite Type of Book bar graph for 1–4.**

**1.** Which type of book did the most students choose?

_____

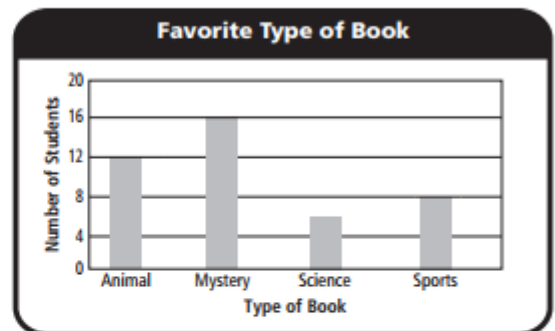**2.** Which type of book received 4 fewer votes than mystery?

_____

**Favorite Type of Book**

Number of Students (20, 16, 12, 8, 4, 0)

Animal: 12, Mystery: 16, Science: 6, Sports: 8

Type of Book

**3.** Did more students choose books about mystery or books about science and sports together?

_____

**4.** How many students in all answered the survey?

_____

| Math | **Revision sheet (TERM 1)** | |
|------|------|------|
| **Name : Answer Key** | **Date :   / 11 / 2018** | **Grade : 3 /** |

Common core standard: 3.OA.D.9, 3.NBT.A.1, 3.NBT.A.2, 3.MD.B.3, 3.OA.A.1, 3.OA.A.3, 3.OA.B.5

1. **Round to the <u>nearest ten</u>.**

55  **60**          166 **170**          424 **420**          22  **20**          39  **40**

2. **Round to the <u>nearest hundred</u>.**

155 **200**          349 **300**          795  **800**          95  **100**          508  **500**

3. **Use <u>rounding</u> to estimate the <u>sum</u>**

1.  42     **40**          2.  523     **500**          3.  235     **200**
  + 36   + **40**            + 117   + **100**            + 374   + **400**
         **80**                       **600**                       **600**

4.  23     **20**          5.  254     **300**          6.  299     **300**
  + 99   + **100**            + 167   + **200**            + 199   + **200**
         **120**                      **500**                       **500**

4. **Use rounding to estimate the <u>difference</u>**

1.  92     **90**          2.  271     **300**          3.  517     **500**
  − 43   − **40**            − 152   − **200**            − 249   − **200**
         **50**                       **100**                      **300**

4.  445    **400**          5.  92     **90**          6.  776     **800**
  − 112  − **100**            − 65   − **70**            − 384   − **400**
         **300**                      **20**                       **400**

5. **Use addition properties and strategies to find the sum.**

   16 + 20 + 14 =  **49**          12 + 36 + 18 + 14 = **80**
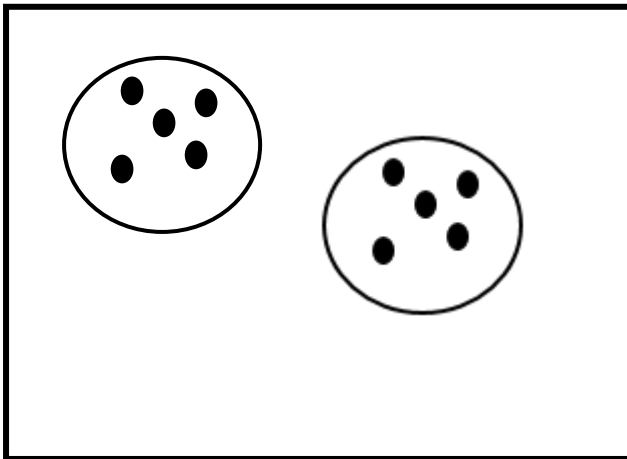
6. **Count equal groups to find how many.**
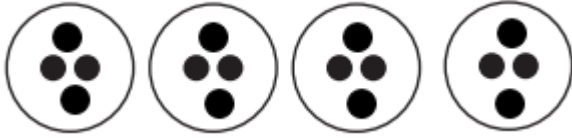


       **4**  groups of  **4**          **2**  groups of  **3**
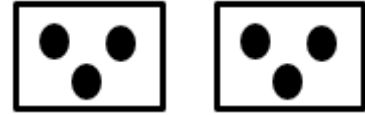
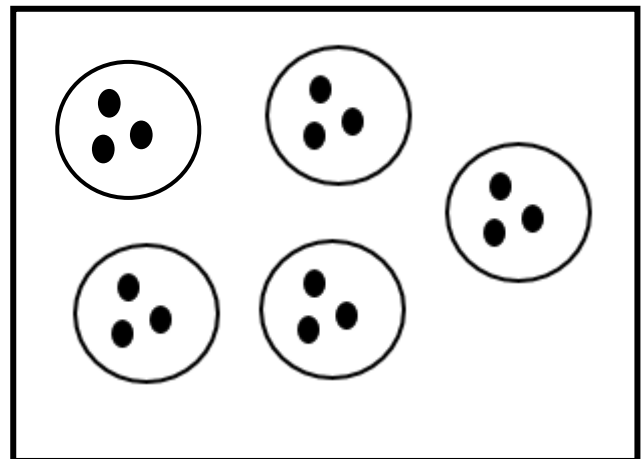          **16** in all          **6** in all

7. **Draw** a quick picture to show the equal groups. Then write <u>related addition</u> and <u>multiplication sentences</u>.

      **2 groups of 5**          **5 groups of 3**



**Related Addition sentence:**

      **5  +  5 = 10**          **3 + 3 + 3 + 3 + 3 = 15**

**Multiplication sentence:**

      **2 x 5 = 10**          **5 x 3 = 15**

8. Mariam buys 3 packs of red peppers and 4 packs of green peppers. Each pack has 4 peppers. How many peppers does Mariam buy? **(hint 1 pack = 4 peppers)**

**3** packs of red + **4** packs of green = **7** packs

**7** packs of **4** peppers

**4 + 4 + 4 + 4 + 4 + 4 + 4 = 28**

**7** x **4** = **28** peppers

9. There are 2 rows of football players in a playground. Each row has 7 students. How many football players are there in all?
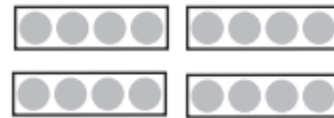
**2 rows of 7 player**

**7 + 7 = 14**

**2 x 7 = 14**

10. Write related addition and multiplication sentences for the model.



**2 + 2 + 2 + 2 = 8**

**4** x **2** = **8**

**4 + 4 + 4 + 4 = 16**

**4** x **4** = **16**

11. Find the product.

88 x 0 = **0**          197 x 1 = **197**          1 x 51 = **51**          10 x 1 = **10**

5 x 1 = **5**          0 x 0 = **0**          **93** x 1 = 93          19 x **0** = 0

12. Write a multiplication sentence for the array.



**3** x **3** = **9**



**2** x 6 = **12**

**Use the Favorite Ice Pop Flavor picture graph for 1–4.**

**1.** How many people chose orange?

$2 + 2 + 2 = 6$ people

**2.** How many people chose lemon?

$2 + 2 + 1 = 5$ people

| Favorite Ice Pop Flavor | | |
|---|---|---|
| Orange | 🍦🍦🍦 | 6 |
| Lemon | 🍦🍦🍦 | 5 |
| Blueberry | 🍦🍦🍦 | 6 |
| Strawberry | 🍦🍦🍦🍦🍦 | 9 |
| Key: Each 🍦 = 2 votes. | | |

**3.** How many fewer people chose lemon than chose strawberry?

$9 - 5 = 4$ people
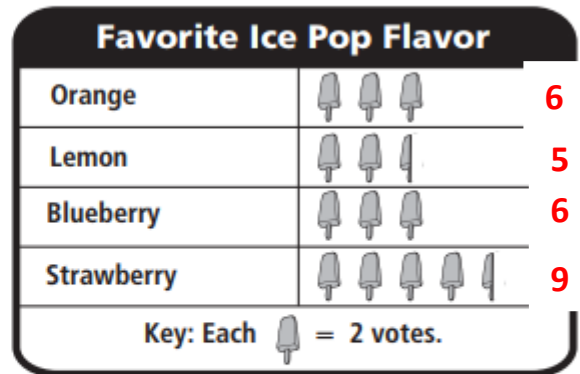
**4.** How many people in all were surveyed?

$6 + 5 + 6 + 9 = 26$ people

---

**Use the Favorite Type of Book bar graph for 1–4.**

**1.** Which type of book did the most students choose?

Mystery

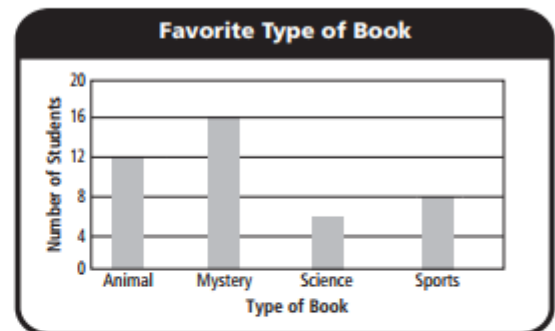**2.** Which type of book received 4 fewer votes than mystery?

Mystery (16) – 4 = 12

12 (Animal)

**Favorite Type of Book**

Number of Students

Animal: 12, Mystery: 16, Science: 6, Sports: 8

Type of Book

**3.** Did more students choose books about mystery or books about science and sports together?

Mystery or science and sport

16  >  6 + 8

16  >  14

**4.** How many students in all answered the survey?

$12 + 16 + 6 + 8 = 42$ people