

Brandon Valley School District

District Learning Plan

March 23-27, 2020

Grade 3 Math



Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Multiplication

SUBJECT/GRADE: Math- 3rd Grade

DATES: March 23-27, 2020

<p>What do students need to do?</p> <p><u>Link to BV instructional video for week of March 23-27, 2020</u></p>	<p>May print out worksheets listed below or write on lined or unlined paper, name and date written up top and page number listed at the bottom.</p> <p>Monday (3/23): Complete Lesson 2 Reteach: Multiply by 7 (pg. 55) and write out two story problems using x7s and have a parent and/or older sibling solve. Example: George and his three friends each ate 7 bananas. How many bananas did they eat? Answer: $4 \times 7 = 28$ bananas</p> <p>Tuesday (3/24): Complete Lesson 4 Reteach: Multiply by 8 (pg. 57) and write out two story problems using x8s and have a parent and/or older sibling solve.</p> <p>Wednesday (3/25): Complete Lesson 5 Reteach: Multiply by 9 (pg. 58) and write out two story problems using x9s and have a parent and/or older sibling solve.</p> <p>Thursday (3/26): Complete Lesson 8 Reteach: Multiply by 11 and 12 (pg. 62)</p> <p>Friday (3/27): Complete Fluency Practice: (pg. 25)</p>
<p>What do students need to bring back to school?</p>	<p>All work completed for the following worksheets: (If you have a binder to organize the work or at least paper clip or staple it together by each week would be very helpful!)</p> <ul style="list-style-type: none"> • Lesson 2: Multiply by 7 pg. 55 and two written x7s story problems • Lesson 4: Multiply by 8 pg. 57 and two written x8s story problems • Lesson 5: Multiply by 9 pg. 58 and two written x9s story problems • Lesson 8: Multiply by 11 and 12 pg. 62 • Fluency Practice pg. 25
<p>What standards do the lessons cover?</p>	<p>3.OA.1-Interpret products of whole numbers, e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each. <i>For example, describe a context in which a total number of objects can be expressed as 5×7.</i></p> <p>3.OA.9- Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. <i>For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.</i></p>
<p>What materials do students need? What extra resources can students use?</p>	<p>Need: Pencil, lined/unlined paper or may print off math worksheets if printer is available</p> <p>Extra: Khan Academy Videos for Extra Support</p> <p><u>Introduction to Multiplication</u></p> <p><u>Basic Multiplication and Division</u></p> <p><u>Using the Distributive Property When Multiplying</u></p>
<p>What can students do if they finish early?</p>	<ul style="list-style-type: none"> • State Testing Practice: <u>https://login10.cloud1.tds.airast.org/student/V388/Pages/LoginShell.aspx?c=SouthDakota_PT</u> • Flashcards • Practice math facts • Play a math facts game using a deck of cards or dice • Utilize resources on your child's teacher's website

<p>Who can we contact if we have questions?</p>	<p><u>Brandon Elementary</u> Building Principal: Mr. Horst- merle.horst@k12.sd.us Teachers: Ms. Buum- Blossom.Buum@k12.sd.us Ms. Flint- Jill.Flint@k12.sd.us Mr. Kramer- Brent.Kramer@k12.sd.us Mr. Johnson- Andy.Johnson@k12.sd.us <u>Robert Bennis Elementary</u> Building Principal: Ms. Hofkamp- Kristin.Hofkamp@k12.sd.us Teachers: Mr. Bobzien- Adam.Bobzien@k12.sd.us Mr. Ganschow- Jeff.Ganschow@k12.sd.us Ms. Pederson- Jill.Pederson@k12.sd.us Ms. Rozier- danylle.rozier@k12.sd.us <u>Fred Assam Elementary</u> Building Principal: Ms. Foster- susan.foster@k12.sd.us Teachers: Ms. Hunsaid- Jessica.Hunsaid@k12.sd.us Ms. Jones- Deb.Jones@k12.sd.us Ms. Kieffer- Michelle.Kieffer@k12.sd.us Ms. Van Leur- Chelsea.Vanleur@k12.sd.us <u>Valley Springs Elementary</u> Building Principal: Ms. Palmer- tanya.palmer@k12.sd.us Teacher: Ms. Kocer- Cassie.Kocer@k12.sd.us</p>
<p>Notes: Today is a good day for a good day!</p>	

Instructional materials are posted below (if applicable)

Lesson 2 Reteach

Multiply by 7

You can add on to a known fact to find a new fact.

Find 7×3 by finding $(6 \times 3) + (1 \times 3)$.



7 groups of 3

=

6 groups of 3

plus

1 group of 3

7×3

=

6×3

+

1×3

=

18

+

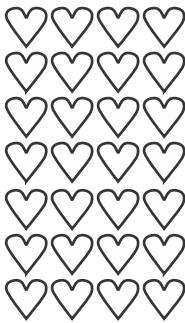
3

= 21

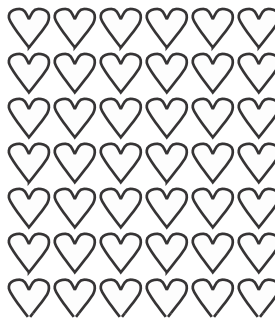
So, $7 \times 3 = 21$.

Write a multiplication sentence for the picture.

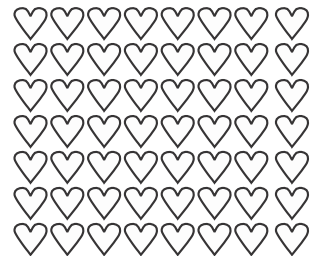
1.



2.



3.



Multiply. Use models if needed.

4. $3 \times 7 =$ _____

5. $5 \times 7 =$ _____

6. $7 \times 7 =$ _____

7. $8 \times 7 =$ _____

8. $7 \times 6 =$ _____

9. $7 \times 9 =$ _____

10. $9 \times 7 =$ _____

11. $4 \times 7 =$ _____

12. $7 \times 1 =$ _____

13. $6 \times 7 =$ _____

14. $3 \times 7 =$ _____

15. $0 \times 7 =$ _____

16. $7 \times 4 =$ _____

17. $1 \times 7 =$ _____

18. $2 \times 7 =$ _____

Lesson 4 Reteach

Multiply by 8

You can use facts that you already know to help you multiply by 8.

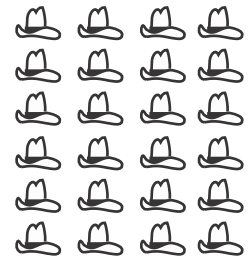
Find 6×8 by doubling 6×4 .



=



+



6 groups of 8

=

6 groups of 4

plus

6 groups of 4

6×8

=

6×4

+

6×4

=

24

+

24

=

48

So, $6 \times 8 = 48$.

Write a multiplication sentence for each picture.

1. ☆☆☆☆☆☆☆☆

2. 

Use an array or known fact to multiply.

3. $2 \times 8 =$ _____

4. $0 \times 8 =$ _____

5. $8 \times 5 =$ _____

6. $8 \times 6 =$ _____

7. $8 \times 1 =$ _____

8. $8 \times 7 =$ _____

9. $5 \times 8 =$ _____

10. $8 \times 4 =$ _____

11. $3 \times 8 =$ _____

12. $8 \times 8 =$ _____

13. $6 \times 8 =$ _____

14. $9 \times 8 =$ _____

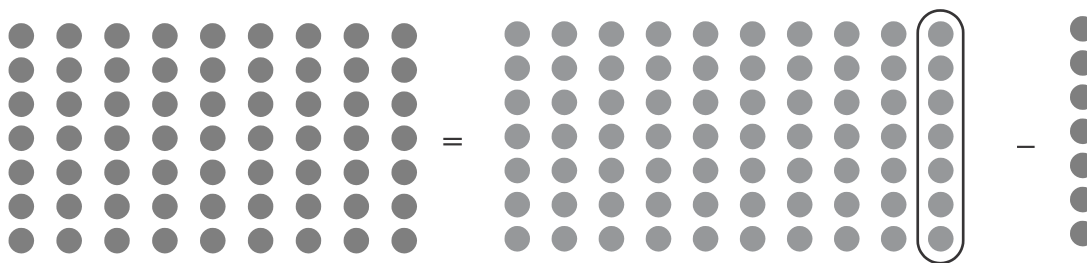
Lesson 5 Reteach

Multiply by 9

Here is a strategy you can use when multiplying by 9.

You can multiply the number by 10 and then subtract the number to find a new fact.

Find 7×9 .



$$\begin{array}{rclcl}
 7 \text{ groups of } 9 & = & 7 \text{ groups of } 10 & \text{minus} & 1 \text{ group of } 7 \\
 7 \times 9 & = & 7 \times 10 & - & 1 \times 7 \\
 & = & 70 & - & 7 \\
 & = & 63 & & \text{So, } 7 \times 9 = 63.
 \end{array}$$

Multiply. Use models or a known fact if needed.

1. $\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$

2. $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$

3. $\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$

4. $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$

5. $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$

6. $\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$

7. $9 \times 2 =$ _____

8. $5 \times 9 =$ _____

9. $9 \times 4 =$ _____

10. $6 \times 9 =$ _____

11. $9 \times 3 =$ _____

12. $9 \times 1 =$ _____

13. $9 \times 9 =$ _____

14. $9 \times 0 =$ _____

15. $9 \times 11 =$ _____

16. $2 \times 9 =$ _____

17. $10 \times 9 =$ _____

18. $3 \times 9 =$ _____

Lesson 8 Reteach

Multiply by 11 and 12

You can use facts and strategies you already know to help you multiply by 11 and 12.

Find 11×4 by adding 10×4 and 1×4 .

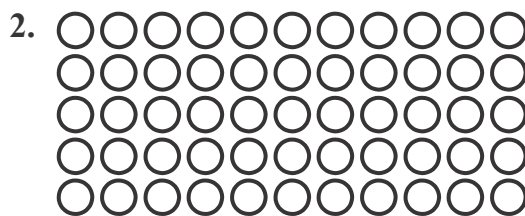


You know that $10 \times 4 = 40$, and $1 \times 4 = 4$. When you add the sums together, you see that $11 \times 4 = 44$.

Use models or patterns to multiply.



$12 \times 3 = \underline{\hspace{2cm}}$



$11 \times 5 = \underline{\hspace{2cm}}$

3. $6 \times 11 = \underline{\hspace{2cm}}$

4. $4 \times 12 = \underline{\hspace{2cm}}$

5. $11 \times 11 = \underline{\hspace{2cm}}$

6. $2 \times 12 = \underline{\hspace{2cm}}$

7. $7 \times 11 = \underline{\hspace{2cm}}$

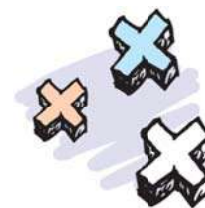
8. $3 \times 12 = \underline{\hspace{2cm}}$

9. $2 \times 11 = \underline{\hspace{2cm}}$

10. $6 \times 12 = \underline{\hspace{2cm}}$

11. $3 \times 11 = \underline{\hspace{2cm}}$

Name _____



Multiply.

1.
$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 0 \\ \times 8 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

13. $7 \times 7 =$ _____ 14. $6 \times 5 =$ _____ 15. $7 \times 0 =$ _____ 16. $1 \times 10 =$ _____

17. $7 \times 6 =$ _____ 18. $0 \times 4 =$ _____ 19. $7 \times 1 =$ _____ 20. $6 \times 8 =$ _____