5th Grade Math

Week of October 26, 2020

Name _____

* Please do not complete until advised by teacher*

October 26, 2020

Madison and Sabriah have 15 cookies to share. If they share the cookies equally, how many cookies will each friend get? Hint: Make a diagram; draw the cookies to divide up if it helps. Think fractions!

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $6 \div 6 =$ _____

2. $2 + 1 =$ _____

3. $5 - 1 =$ _____

4. $9 \times 9 =$ _____

5. $15 \div 3 =$ _____

6. $8 \times 8 =$ _____

7. $7 \times 6 =$ _____

8. $16 - 7 =$ _____

9. $24 \div 4 =$ _____

10. $4 \times 8 =$ _____

11. $20 \div 4 =$ _____

12. $4 \times 4 =$ _____

13. $9 + 3 =$ _____

14. $9 \times 3 =$ _____

15. $12 - 5 =$ _____

16. $11 - 4 =$ _____

17. $8 \times 3 =$ _____

18. $4 + 4 =$ _____

19. $12 - 4 =$ _____

20. $4 \times 6 =$ _____

21. $5 \div 5 =$ _____

22. $6 \times 1 =$ _____

23. $6 + 8 =$ _____

24. $3 \times 4 =$ _____

25. $2 + 3 =$ _____

26. $5 + 5 =$ _____

27. $4 \times 2 =$ _____

28. $4 \div 2 =$ _____

29. $3 \times 3 =$ _____

30. $6 + 6 =$ _____

31. $6 \times 6 =$ _____

32. $1 + 9 =$ _____

33. $54 \div 6 =$ _____

34. $9 \times 5 =$ _____

35. $24 \div 8 =$ _____

36. $4 \times 9 =$ _____

37. $5 + 4 =$ _____

38. $11 - 4 =$ _____

39. $5 + 2 =$ _____

40. $8 \times 2 =$ _____

41. $8 - 3 =$ _____

42. $9 - 4 =$ _____

43. $5 + 7 =$ _____

44. $81 \div 9 =$ _____

45. $3 \times 3 =$ _____

46. $11 - 6 =$ _____

47. $6 \times 3 =$ _____

48. $42 \div 7 =$ _____

49. $9 + 9 =$ _____

50. $3 \times 9 =$ _____

Practice Video Tools Games

Another Look!

Patterns can help you multiply
by powers of 10.

$53 \times 1 = 53$ $70 \times 1 = 70$
$53 \times 10 = 530$ $70 \times 10^1 = 700$
$53 \times 100 = 5,300$ $70 \times 10^2 = 7,000$
$53 \times 1,000 = 53,000$ $70 \times 10^3 = 70,000$
$53 \times 10,000 = 530,000$ $70 \times 10^4 = 700,000$

Look at the number of zeros or the exponent for the power of 10. Place that number of zeros on the end of the other factor.

1. To find $61 \times 1,000$, place _____ zeros on the end of _____ to form
the product _____.

In **2–5**, use patterns to find each product.

2. 75×1
75×10
75×100
$75 \times 1,000$
$75 \times 10,000$

3. 50×1
50×10
50×100
$50 \times 1,000$
$50 \times 10,000$

4. 60×1
60×10^1
60×10^2
60×10^3
60×10^4

5. 18×1
18×10^1
18×10^2
18×10^3
18×10^4

In **6–9**, find each product.

6. 84×100

7. 90×10

8. 54×10^2

9. $10^3 \times 12$

In **10–15**, use reasoning to fill in the missing numbers.

10. $45 \times 10^3 =$ _____

11. $12,960 = 10^1 \times$ _____

12. $22 \times 10^- = 220,000$

13. $10^4 \times 30 =$ _____

14. $10^- \times 374 = 37,400$

15. $70,000 = 70 \times 10^-$

16. Construct Arguments
Ms. O'Malley's cousin lives 1,650 miles away. Ms. O'Malley won a gift card for 100 gallons of gas. If her car can travel 35 miles on each gallon, can she drive roundtrip to see her cousin on the free gas? Explain how you know.

17. Each beehive on Larson's Honey Farm usually produces 85 pounds of honey per year. About how many pounds of honey will 10^3 hives produce in a year?

18. A hotel chain is ordering new furnishings. What is the total cost of 1,000 sheet sets, 1,000 pillows, and 100 desk chairs?

Item	Price
Towel sets	$18
Sheet sets	$24
Pillows	$7
Desk chair	$114

19. Which number is greater: 87 or 13.688? How do you know?

20. Higher Order Thinking The weight of an elephant is 10^3 times the weight of a cat. If the elephant weighs 14,000 pounds, how many pounds does the cat weigh? How did you find the answer?

Assessment Practice

21. Which is equivalent to multiplying a number by 10^3?

- Ⓐ multiplying by 30
- Ⓑ multiplying by 1,000
- Ⓒ multiplying by 10,000
- Ⓓ multiplying by 10 twice

22. Which is equivalent to 5×10^4? Select all that apply.

- ☐ $5 \times 10,000$
- ☐ $5 \times 100,000$
- ☐ 5,000
- ☐ 50,000
- ☐ 50×10^3

October 27, 2020

Ms. Eggink gave 6 sandwiches to 5 children to share. If the scholars share the sandwiches equally, how many will each scholar get?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $4 \times 4 =$ ____

2. $6 + 6 =$ ____

3. $2 \times 6 =$ ____

4. $2 + 8 =$ ____

5. $3 \times 6 =$ ____

6. $4 + 3 =$ ____

7. $4 \times 4 =$ ____

8. $9 \times 9 =$ ____

9. $3 + 9 =$ ____

10. $4 \times 8 =$ ____

11. $1 \times 6 =$ ____

12. $4 \times 7 =$ ____

13. $8 + 1 =$ ____

14. $6 \times 7 =$ ____

15. $0 \times 7 =$ ____

16. $7 \times 9 =$ ____

17. $7 + 4 =$ ____

18. $5 + 4 =$ ____

19. $6 \times 9 =$ ____

20. $4 \times 2 =$ ____

21. $2 \times 7 =$ ____

22. $7 + 9 =$ ____

23. $5 \times 5 =$ ____

24. $9 \times 5 =$ ____

25. $3 + 9 =$ ____

26. $7 + 7 =$ ____

27. $4 + 1 =$ ____

28. $2 + 5 =$ ____

29. $1 + 9 =$ ____

30. $5 \times 8 =$ ____

31. $3 + 3 =$ ____

32. $3 \times 0 =$ ____

33. $2 \times 8 =$ ____

34. $1 + 6 =$ ____

35. $8 \times 2 =$ ____

36. $3 + 6 =$ ____

37. $9 \times 1 =$ ____

38. $1 + 2 =$ ____

39. $2 \times 9 =$ ____

40. $1 + 4 =$ ____

41. $4 \times 9 =$ ____

42. $2 \times 2 =$ ____

43. $3 + 2 =$ ____

44. $9 + 9 =$ ____

45. $7 \times 7 =$ ____

46. $9 \times 8 =$ ____

47. $3 + 4 =$ ____

48. $1 \times 7 =$ ____

49. $8 \times 7 =$ ____

50. $5 \times 7 =$ ____

Another Look!

Mrs. Carter orders new supplies for a hospital. About how much will it cost to purchase 14 pulse monitors?

Supplies	
Electronic thermometers	$19 each
Pulse monitors	$189 each
Pillows	$17 each
Telephones	$19 each

Use rounding to estimate.

Estimate 14×189.

You can round 14 to 10 and 189 to 200.

$10 \times 200 = 2,000$

Use compatible numbers to estimate.

Estimate 14×189.

Replace 14 with 15 and 189 with 200.

$15 \times 200 = 3,000$

The 14 pulse monitors will cost between $2,000 and $3,000.

1. About how much would it cost to buy 18 MP3 players?
   About how much would it cost to buy 18 CD/MP3 players?

Electronics Prices	
CD player	$74.00
MP3 player	$99.00
CD/MP3 player	$199.00
AM/FM radio	$29.00

In **2–15**, estimate each product.

2. 184×210
   Round 184 to _____.
   Round 210 to _____.
   Multiply _____ $\times$ _____ = _____ .

3. 77×412
   Round 77 to _____.
   Round 412 to _____.
   Multiply _____ $\times$ _____ = _____ .

4. 87×403

5. 19×718

6. 888×300

7. 352×20

8. 520×797

9. 189×46

10. 560×396

11. 498×47

12. 492×22

13. 928×89

14. 308×18

15. 936×410

16. Laura's family is going on a vacation. They will drive 4,180 miles over the next two weeks. About how many miles will they drive on average each week?

17. Make Sense and Persevere A bus service drives passengers between Milwaukee and Chicago every day. They travel from city to city 8 times each day. The distance between the two cities is 89 miles. In February, there are 28 days. The company's budget allows for 28,000 total miles for February. Do you think the budget is reasonable? Explain.

18. Higher Order Thinking Explain whether rounding or compatible numbers gives a closer estimate for the product below.

$48 \times 123 = 5{,}904$

19. A case of 24 pairs of the same kind of sports shoes costs a little more than $800. Explain whether $28 per pair with tax included is a good estimate of the price.

20. The number of Adult tickets is the same as the number of Child (age 5–12) tickets. A total of 38 tickets was purchased. What is the total cost of the tickets? Explain.

Ticket	Price (in $)
Adult	23
Child, age 5–12	17
Under 5	8

Assessment Practice

21. Which does **NOT** show a reasonable estimate of 360×439?

Ⓐ 100,000

Ⓑ 140,000

Ⓒ 160,000

Ⓓ 180,000

22. A club orders 124 T-shirts at a cost of $18 each. Which is the best estimate of the total cost of the order?

Ⓐ $1,000

Ⓑ $2,000

Ⓒ $3,000

Ⓓ $4,000

October 28, 2020

Ms. Balling, Ms. Ferguson, and Ms. Equito went out to eat. They were feeling hungry, so they ordered 7 burritos to eat. They want to share the burritos equally and eat them all. How much will each friend get to eat?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $14 - 6 =$ _____

2. $9 - 3 =$ _____

3. $12 - 4 =$ _____

4. $7 - 0 =$ _____

5. $14 - 5 =$ _____

6. $15 - 9 =$ _____

7. $16 - 8 =$ _____

8. $9 - 5 =$ _____

9. $10 - 4 =$ _____

10. $11 - 8 =$ _____

11. $13 - 12 =$ _____

12. $12 - 7 =$ _____

13. $11 - 3 =$ _____

14. $11 - 5 =$ _____

15. $9 - 2 =$ _____

16. $13 - 5 =$ _____

17. $8 - 4 =$ _____

18. $15 - 6 =$ _____

19. $8 - 2 =$ _____

20. $16 - 9 =$ _____

21. $6 - 1 =$ _____

22. $15 - 8 =$ _____

23. $8 - 8 =$ _____

24. $13 - 6 =$ _____

25. $8 - 3 =$ _____

26. $2 \div 2 =$ _____

27. $30 \div 6 =$ _____

28. $36 \div 9 =$ _____

29. $24 \div 3 =$ _____

30. $56 \div 8 =$ _____

31. $48 \div 8 =$ _____

32. $20 \div 4 =$ _____

33. $8 \div 2 =$ _____

34. $3 \div 3 =$ _____

35. $27 \div 3 =$ _____

36. $35 \div 5 =$ _____

37. $5 \div 1 =$ _____

38. $21 \div 3 =$ _____

39. $16 \div 4 =$ _____

40. $15 \div 3 =$ _____

41. $49 \div 7 =$ _____

42. $9 \div 3 =$ _____

43. $28 \div 4 =$ _____

44. $45 \div 9 =$ _____

45. $56 \div 7 =$ _____

46. $35 \div 7 =$ _____

47. $72 \div 8 =$ _____

48. $54 \div 9 =$ _____

49. $20 \div 4 =$ _____

50. $12 \div 4 =$ _____

Name _____

Additional Practice 3-3
Multiply by 1-Digit Numbers

Another Look!

The steps below show one way to multiply 3-digit numbers by 1-digit numbers.

Step 1

Multiply the ones.
Regroup if necessary.

$$\begin{array}{r} \overset{1}{1}54 \\ \times\ \ 4 \\ \hline 6 \end{array}$$

Step 2

Multiply the tens.
Add any extra tens.
Regroup if necessary.

$$\begin{array}{r} \overset{2\,1}{1}54 \\ \times\ \ 4 \\ \hline 16 \end{array}$$

Step 3

Multiply the hundreds.
Add any extra hundreds.

$$\begin{array}{r} \overset{2\,1}{1}54 \\ \times\ \ 4 \\ \hline 616 \end{array}$$

For **1–16**, find each product.

Remember to regroup if necessary.

1.
$$\begin{array}{r} 13 \\ \times\ 3 \\ \hline \square\square \end{array}$$

2.
$$\begin{array}{r} \square \\ 17 \\ \times\ \ 7 \\ \hline \square\square\square \end{array}$$

3.
$$\begin{array}{r} \square \\ 741 \\ \times\ \ 3 \\ \hline \square\square\square\square \end{array}$$

4.
$$\begin{array}{r} \square\square \\ 587 \\ \times\ \ 3 \\ \hline \square\square\square\square \end{array}$$

5.
$$\begin{array}{r} 413 \\ \times\ 6 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 625 \\ \times\ 6 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 36 \\ \times\ 5 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 731 \\ \times\ 9 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 88 \\ \times\ 5 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 52 \\ \times\ 8 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 352 \\ \times\ 3 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 159 \\ \times\ 5 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 164 \\ \times\ 5 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 19 \\ \times\ 8 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 478 \\ \times\ 2 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 862 \\ \times\ 7 \\ \hline \end{array}$$

17. What is the average length fingernails will grow in 12 months?

18. How much longer will hair grow than fingernails in 6 months?

Average Rate of Growth in Millimeters per Month

Fingernails	5 mm
Hair	12 mm

19. Derek rides in 3 motorcycle races. Each race is 150 miles. How many miles does Derek ride?

20. Walt averages 98 miles per hour in 4 races. If each race is 95 miles in length, how many miles did Walt drive in the races?

21. The Puerto Rico Trench has a depth of 30,246 feet. Write the numbers that are 10,000 less than and 10,000 greater than this number.

22. Which place value would you look at to compare 225,998 and 225,988?

23. **Critique Reasoning** Martin multiplied 423 by 7 and said the product is 2,841. Do Martin's calculations make sense? Explain.

24. **Higher Order Thinking** Tyrone has 6 times as many marbles as Pam. Pam has 34 marbles. Louis has 202 marbles. Who has more marbles, Tyrone or Louis? Explain.

✓ Assessment Practice

25. Find the product.

$$
\begin{array}{r}
6\,5\,1 \\
\times \quad 7 \\
\hline

\end{array}
$$

26. Find the product.

$$
\begin{array}{r}
2{,}311 \\
\times \quad 6 \\
\hline

\end{array}
$$

October 29, 2020

At the school carnival, Tisha won 9 chocolate cream pies. She plans to give them to 4 of her friends. If they all get the same amount of pie, how much will each friend get?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $9 + 9 =$ _____

2. $7 \times 7 =$ _____

3. $4 \div 2 =$ _____

4. $4 + 8 =$ _____

5. $2 \times 7 =$ _____

6. $16 - 8 =$ _____

7. $3 - 3 =$ _____

8. $14 \div 7 =$ _____

9. $5 - 3 =$ _____

10. $5 \times 5 =$ _____

11. $11 - 8 =$ _____

12. $15 - 9 =$ _____

13. $6 \times 7 =$ _____

14. $6 + 9 =$ _____

15. $15 \div 5 =$ _____

16. $10 - 6 =$ _____

17. $4 \times 2 =$ _____

18. $9 - 6 =$ _____

19. $4 + 6 =$ _____

20. $8 \times 8 =$ _____

21. $3 + 5 =$ _____

22. $4 - 4 =$ _____

23. $1 \times 7 =$ _____

24. $4 \times 7 =$ _____

25. $4 + 5 =$ _____

26. $2 + 9 =$ _____

27. $8 \times 2 =$ _____

28. $4 \times 3 =$ _____

29. $9 + 8 =$ _____

30. $5 + 5 =$ _____

31. $9 + 4 =$ _____

32. $11 - 6 =$ _____

33. $3 \div 1 =$ _____

34. $3 \times 4 =$ _____

35. $7 + 2 =$ _____

36. $15 \div 3 =$ _____

37. $8 \times 2 =$ _____

38. $6 \times 6 =$ _____

39. $4 + 2 =$ _____

40. $2 \times 2 =$ _____

41. $3 - 3 =$ _____

42. $9 - 8 =$ _____

43. $4 + 1 =$ _____

44. $64 \div 8 =$ _____

45. $5 \div 5 =$ _____

46. $11 - 5 =$ _____

47. $42 \div 7 =$ _____

48. $6 + 6 =$ _____

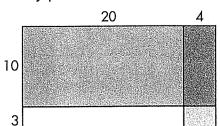49. $49 \div 7 =$ _____

50. $3 \times 6 =$ _____

Name _____

Another Look!

There are 24 cars in the Speedy Cup Series. Each car has 13 workers in the pit area. How many pit-area workers are at the race?

There is more than one way to multiply.

Use Partial Products

```
      24
  ×   13
      12
      60
      40
  + 200
     312
```

Use the Standard Algorithm

Multiply by the ones.
Regroup if necessary.

```
     1
    24
  × 13
    72
```
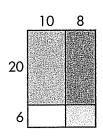
Multiply by the tens.
Regroup if necessary.
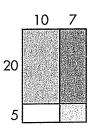
```
     1
    24
  × 13
    72
  + 240   Add the partial products.
   312
```

There are 312 pit-area workers at the race.

You can use rounding or compatible numbers to estimate and check if your answer is reasonable.

For **1–10**, use the standard algorithm or partial products to find the product. Draw area models as needed.

1.
```
    1 8
  ×  2 6
  ☐☐☐
+ ☐☐0
  ☐☐☐
```

2.
```
    1 7
  ×  2 5
  ☐☐☐
+ ☐☐0
  ☐☐☐
```

3.
```
    88
  × 32
```

4.
```
    53
  × 48
```

5.
```
    18
  × 77
```

6.
```
    67
  × 27
```

7.
```
    67
  × 34
```

8.
```
    91
  × 46
```

9.
```
    56
  × 31
```

10.
```
    67
  × 57
```

October 30, 2020

Elizabeth had 20 cupcakes at her birthday party for 6 children to share equally. How much cupcake can each child have?

Answer (with unit): _____

Equation that matches your work:

Explain your thinking:

Name _____

Give each answer.

1. $4 \times 3 =$ _____

2. $12 \div 2 =$ _____

3. $6 + 9 =$ _____

4. $3 \times 4 =$ _____

5. $4 \times 7 =$ _____

6. $3 - 1 =$ _____

7. $18 \div 3 =$ _____

8. $12 - 9 =$ _____

9. $24 \div 4 =$ _____

10. $5 \times 8 =$ _____

11. $8 - 5 =$ _____

12. $3 \times 9 =$ _____

13. $3 \times 7 =$ _____

14. $72 \div 9 =$ _____

15. $7 - 6 =$ _____

16. $6 - 1 =$ _____

17. $4 \times 7 =$ _____

18. $6 + 2 =$ _____

19. $12 - 8 =$ _____

20. $5 \times 5 =$ _____

21. $28 \div 4 =$ _____

22. $6 - 6 =$ _____

23. $11 - 9 =$ _____

24. $5 \times 4 =$ _____

25. $2 + 8 =$ _____

26. $4 + 5 =$ _____

27. $16 \div 4 =$ _____

28. $2 \times 4 =$ _____

29. $4 \times 6 =$ _____

30. $5 - 3 =$ _____

31. $3 + 8 =$ _____

32. $1 + 5 =$ _____

33. $48 \div 8 =$ _____

34. $4 \times 8 =$ _____

35. $7 + 1 =$ _____

36. $32 \div 8 =$ _____

37. $4 + 3 =$ _____

38. $6 \times 2 =$ _____

39. $4 \times 5 =$ _____

40. $3 \times 5 =$ _____

41. $4 + 7 =$ _____

42. $12 - 7 =$ _____

43. $4 \times 1 =$ _____

44. $20 \div 5 =$ _____

45. $9 \times 3 =$ _____

46. $14 - 9 =$ _____

47. $8 \times 8 =$ _____

48. $3 + 8 =$ _____

49. $2 + 9 =$ _____

50. $7 \times 8 =$ _____

Halloween Mix-up

Four friends are ready to go trick-or-treating, but there is a problem. Pieces to their costumes are all mixed up, along with their trick-or-treat bags. Solve to find out which boy is dressed as a cowboy, football player, vampire, or clown, and which type of bag they carried.

Trick or Treat	Cowboy Hat	Football Helmet	Black Cape	Funny Wig	Plastic Bag	Pillowcase	Pumpkin Bag	Glow-in-the-Dark Bag
Joel								
Gabe								
Tristan								
Justice								
Plastic Bag								
Pillowcase								
Pumpkin Bag								
Glow-in-the-Dark Bag								

HELPFUL HINTS

- Joel does not wear anything on his head.
- Gabe collects his candy with a pillowcase.
- The cowboy uses a plastic bag.
- Neither Gabe nor Tristan dressed as a clown.
- The clown did not carry a glow-in-the-dark bag.

A Halloween Riddle

Directions: Complete each multiplication problem. Find the product at the bottom.
Write the letter of the product to find the answer to the riddle.

H	P	T
32 x 5 = _____	62 x 9 = _____	47 x 2 = _____

P	I	H
85 x 3 = _____	42 x 21 = _____	78 x 63 = _____

U	A	I
59 x 45 = _____	82 x 11 = _____	93 x 47 = _____

T	N	M
521 x 36 = _18,756_	822 x 95 = _78,090_	724 x 51 = _36,924_

K	W	C
99 x 3 = _____	84 x 71 = _____	116 x 23 = _2,668_

A	P	
38 x 92 = _____	77 x 55 = _____	

Halloween Riddle:

How do you fix a jack-o-lantern?

_____	_____	_____	_____
5,964	4,371	94	160

_____		_____	_____	_____	_____	_____	_____	_____
3,496		558	2,655	36,924	4,235	297	882	78,090

_____ _____ _____ _____ _____ !

255	902	18,756	2,668	4,914

GHOSTLY MATCH-UP

Directions: Solve the problem on each ghost. Draw a line from the ghost to the pumpkin with the correct answer.

59r1

79÷9

136r3

53÷6

217r3

178÷3

8r7

387÷5

8r5

871÷4

77r2

963÷3

194

955÷7

321