SOUTH DAKOTA

COUNTS

CGI Problems

Multiplication & Division

2nd Grade – Grouping/Partitioning

Multiplication:
> Austin has _____ apple trees. There are _____ apples on each tree.
> How many apples are there all together.
> > a) 3, 4   b) 6, 12   c) 13, 8

Measurement Division:
> Austin has some apple trees. There are _____ apples on each tree. All
> together there are _____ apples. How many apple trees does Austin
> have?
> > a) 6, 18   b) 9, 22   c) 21, 49

Partitive Division:
> Kourtney has _____ braids in her hair. There are the same number of
> beads on each braid. She has _____ beads in her hair. How many
> beads are on each braid?
> > a) 4, 12   b) 8, 24   c) 12, 24

2nd Grade - Rate

Multiplication:
> Erin runs _____ miles an hour. How many miles does she run in _____
> hours?
> > a) 2, 6   b) 4, 7   c) 11, 9

Measurement Division:
> Erin shoots _____ baskets an hour. How many hours will it take her to
> shoot _____ baskets?
> > a) 3, 6   b) 4, 12

2nd Grade - Price

Multiplication:
> A sled costs _____. If Sam wants to buy _____ sleds, how much will
> they cost all together?
> > a) $5, 7   b) $7, 9   c) $14, 4

Measurement Division:
> A jump rope costs _____. How many jump ropes can you buy for
> _____?
> > a) 50 cents, $4   b) $3, $14   c) $6, $35

2nd Grade – Multiplication Comparison

Multiplication:

Our school is _____ times as tall as Cynthia. Cynthia is _____ feet tall.
How tall is our school?

    a) 2, 4   b) 4, 3   c) 12, 5

Measurement Division:

Our school is _____ feet tall. Hannah is _____ feet tall. Our school is how
many times taller than Hannah?

    a) 16, 4   b) 39, 6   c) 45, 8

3rd Grade – Grouping/Partitioning

Multiplication:

Tyson has _____ calf pens. There are _____ calves in each pen. How
many calves does he have all together?

    a) 2, 3   b) 9, 5   c) 12, 5

Mary has _____ marbles in each of her _____ jars.   How many marbles
does she have all together?

    a) 2, 4   b) 7, 3   c) 12, 5

John has _____ tomato plants. There are _____ tomatoes on each plant.
How many tomatoes are there all together?

    a) 2, 6   b) 5, 7   c) 9, 8

Measurement Division:

Hannah had some bags of candy. There are ___ pieces in each bag. If
there are _____ total pieces, how many bags does Hannah have?

    a) 2, 10   b) 4, 36   c) 8, 88

Hayden has toy cars. There are _____ cars on each track. All together
there are _____ cars. How many tracks does he have?

    a) 2, 8   b) 5, 35   c) 8, 72

Mary has _____ marbles. She wants to put _____ marbles in each jar.
How many jars will she need?

    a) 9, 3   b) 21, 3   c) 63, 9

John has some tomato plants. There are _____ tomatoes on each plant. If
he has _____ tomatoes all together, how many tomato plants does he
have?

    a) 6, 24   b) 10, 80   c) 17, 51

3rd Grade – Grouping/Partitioning

Partitive Division

Ethan collects cars. He has _____ boxes to put them in. He has _____ cars and wants to put the same number of cars in each box. How many cars will go in each box?

      a) 4, 24   b) 6, 54   c) 6, 72

Sam has _____ flower plants. There is the same number of buds on each plant. All together there are _____ buds. How many buds are there on each plant?

      a) 3, 12   b) 6, 30   c) 12, 60

Mary has _____ marbles. She wants to put the same amount of marbles in each jar. If she has _____ jars, how many marbles will she put in each?

      a) 8, 2   b) 35, 7   c) 72, 8

John has _____ tomato plants. All together he has _____ tomatoes. If there is the same number of tomatoes on each plant, how many tomatoes are on each plant.

      a) 3, 12   b) 4, 20   c) 7, 63

3rd Grade – Rate

Multiplication:

Sierra loves to ride bike. She rides at a speed of _____ miles per hour. How many miles does she ride in _____ hours?

      a) 3, 5   b) 5, 8   c) 6, 7

Aubrey walks _____ miles an hour. How many miles does she walk in _____ hours?

      a) 4, 3   b) 9, 8   c) 6, 11

Susan jogs _____ miles an hour. How many miles does she jog in _____ hours?

      a) 5, 5   b) 6, 6   c) 7, 7

Kacy walks _____ miles an hour. How many miles does she walk in _____ hours?

      a) 3, 4   b) 5, 6   c) 9, 8

3rd Grade – Rate

Measurement Division:

Tyler can ride his bike _____ miles in an hour. If he lives _____ miles from town, how long will it take him to ride to town?

      a) 3, 15   b) 7, 49   c) 6, 72

Taylor walks _____ miles an hour. How many hours will it take her to walk _____ miles?

      a) 3,21   b) 4, 36   c) 8, 72

Susan jogs _____ miles an hour. How many hours will it take her to jog _____ miles?

      a) 5, 25   b) 6, 36   c) 7, 35

Kacy walks _____ miles an hour. How many hours will it take her to walk _____ miles?

      a) 4, 8   b) 6, 36   c) 8, 72

Partitive Division:

Taylor made _____ pies for the carnival. It took her _____ hours to make them all. How long did it take her to make 1 pie?

      a) 15, 5   b) 18, 3   c) 17, 5

Claudia walked _____ miles. It took her _____ hours. If she walked the same speed the whole way, many miles did she walk in 1 hour?

      a) 27, 3   b) 15, 5   c) 72, 8

Susan jogs _____ miles. It took her _____ hours. If she jogged the same speed the whole distance, how far did she jog in one hour?

      a) 25, 5   b) 30, 6   c) 35, 7

Kacy walked _____ miles. It took her _____ hours. . If she walked the same speed the whole way, many miles did she walk in 1 hour?

      a) 15, 5   b) 20, 10   c) 48, 12

3rd Grade – Price

Multiplication:

Baseball cards cost _____ per set. How much would _____ sets cost?

      a) $2, 6   b) $1.50, 6   c) $3.50, 6

Cookies cost _____ each. How much do _____ cookies cost?

      a) $2, 12   b) $9, 4   c) $4, 11

Gumballs cost _____ cents each. How much would _____ gumballs cost?

      a) 3, 7   b) 4, 8   c) 5, 9

Circus tickets cost _____ each. How much do _____ tickets cost?

      a) $2, 20   b) $7, 8   c) $12, 10

3rd Grade – Price

Measurement Division:

Circus tickets cost ____ each. How many tickets can you buy with ____?
    a) $5, $35   b) $8, $40   c) $18, $54

Dolls cost ____ each. How many dolls can you buy with ____?
    a) $5, $30   b) $8, $75   c) $12, $75

Cookies cost ____ each. How many cookies can you buy for ____?
    a) $7, $42   b) $4, $28   c) $3, $21

Gumballs cost ____ cents each. How many gumballs can you buy for ____ cents?
    a) 3, 18   b) 4, 20   c) 5, 30

Partitive Division:

Susie bought ____ candy bars. She spent a total of ____. If each candy bar cost the same amount, how much did each candy bar cost?
    a) 10, $20   b) 7, $21   c) 7, $10.50

Shawn bought ____ cookies. He spent a total of ____. If each cookie cost the same amount, how much did one cookie cost?
    a) 7, $28   b) 5, $60   c) 9, $108

Mary bought ____ gumballs. He spent a total of ____ cents. How much did each gumball cost?
    a) 5, 30   b) 6, 24   c) 7, 21

Mike bought ____ tickets.   He spent ____ dollars.   If each ticket cost the same amount, how much did one ticket cost?
    a) 7, 28   b) 9, 63   c) 12, 120

3rd Grade – Multiplication Comparison

Multiplication:

I am ____ times as old as my friend. If my friend is ____, how old am I?
    a) 3, 14   b) 2, 18   c) 5, 9

Kmart is ____ times as tall as Walmart. If Walmart is ____ feet tall. How tall is Kmart?
    a) 3, 5   b) 7, 5

My dog is ___ times as tall as my cat. The cat is ____ inches tall. How tall is my dog?
    a) 2, 10   b) 3, 9   c) 4, 8

The giraffe in the zoo is ____ times taller than the kangaroo. The kangaroo is ____ tall. How tall is the giraffe?
    a) 3, 5   b) 4, 7   c) 6, 12

3rd Grade – Multiplication Comparison

Measurement Division:

My neighbor, Fred, is _____ years old. My other neighbor, George, is _____ years old. How many times older is Fred than George?

      a) 56, 7   b) 81, 9   c) 84, 7

The Walmart is _____ feet tall. The Kmart is _____ feet tall. The Walmart is how many times taller than Kmart?

      a) 14, 7   b) 28, 4

The giraffe is _____ feet tall. The kangaroo is _____ feet tall. The giraffe is how many times taller than the kangaroo?

      a) 10, 2   b) 18, 6   c) 32, 8

Partitive Division:

My big brother weighs _____ pounds. He is _____ times as big as my dog. How much does my dog weigh?

      a) 70, 7   b) 150, 3   c) 225, 5

Walmart is _____ feet tall. Kmart is _____ times as tall as Walmart. How tall is Kmart?

      a) 27, 3   b) 81, 9   c) 56, 7

4th Grade – Grouping/Partitioning

Multiplication:

Joe has _____ bags of candy. There are _____ pieces of candy in each bag. How many pieces of candy in all?

      a) 3, 36   b) 6, 48   c) 9, 63

Bob has _____ bags. There are _____ marbles in each bag. How many marbles does Bob have all together?

      a) 7, 8   b) 12, 7   c) 38, 11

Mike has _____ cases of pop. Each case contains _____ cans. How many cans of pop does Mike have?

      a) 4, 24

Joe has _____ bags of candy. There are _____ pieces in each bag. How many pieces of candy doe he have all together?

      a) 7, 8   b) 5, 12   c) 12, 25

4th Grade – Grouping/Partitioning

Measurement Division:

        My neighbor, Fred, is _____ years old. My other neighbor, George, is _____ years old. How many times older is Fred than George?
            a) 56, 7   b) 81, 9   c) 84, 7

        The Walmart is _____ feet tall. The Kmart is _____ feet tall. The Walmart is how many times taller than Kmart?
            a) 14, 7   b) 28, 4

        The giraffe is _____ feet tall. The kangaroo is _____ feet tall. The giraffe is how many times taller than the kangaroo?
            a) 10, 2   b) 18, 6   c) 32, 8

Partitive Division:

        My big brother weighs _____ pounds. He is _____ times as big as my dog. How much does my dog weigh?
            a) 70, 7   b) 150, 3   c) 225, 5

        Walmart is _____ feet tall. Kmart is _____ times as tall as Walmart. How tall is Kmart?
            a) 27, 3   b) 81, 9   c) 56, 7

4th Grade – Rate

Multiplication:

        Joe has _____ bags of candy. There are _____ pieces of candy in each bag. How many pieces of candy in all?
            a) 3, 36   b) 6, 48   c) 9, 63

        Bob has _____ bags. There are _____ marbles in each bag. How many marbles does Bob have all together?
            a) 7, 8   b) 12, 7   c) 38, 11

        Mike has _____ cases of pop. Each case contains _____ cans. How many cans of pop does Mike have?
            a) 4, 24

        Joe has _____ bags of candy. There are _____ pieces in each bag. How many pieces of candy doe he have all together?
            a) 7, 8   b) 5, 12   c) 12, 25