Tuesday, November 12, 2019

Name: _____   Section: _____

5th Grade American Math Homework

Chapters 4 & 5 Decimal Multiplication/Division (Part 2)

Dear Family,

Throughout the next few weeks, our math class will be learning about decimal multiplication and division. We will also be learning how to estimate decimal products and quotients. You can expect to see homework that involves multiplication and division of decimals through hundredths.

	To be completed on:	✓
Lesson 5.4	Tuesday 11/12	
Lesson 4.5	Wednesday 11/13	
Lesson 5.6	Thursday 11/14	
Lesson 4.7	Friday 11/15	
Weekly Online H/W:		
I Ready 1 or 2 lessons per week due on Sunday 11/17	

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Name _____

Division of Decimals by Whole Numbers

Divide.

1.
```
     1.32
  7)9.24
   −7
    22
   −21
    14
   −14
     0
```

2. 6)5.04

3. 23)85.1

4. 36)86.4

5. 6)$6.48

6. 8)59.2

7. 5)2.35

8. 41)278.8

9. 19)$70.49

10. 4)$9.48

11. 18)82.8

12. 37)32.93

Problem Solving REAL WORLD

13. On Saturday, 12 friends go ice skating. Altogether, they pay $83.40 for admission. They share the cost equally. How much does each person pay?

_____

14. A team of 4 people participates in a 400-yard relay race. Each team member runs the same distance. The team completes the race in a total of 53.2 seconds. What is the average running time for each person?

_____

Lesson Check

1. Theresa pays $9.56 for 4 pounds of tomatoes. What is the cost of 1 pound of tomatoes?

    (A) $0.24

    (B) $2.39

    (C) $23.90

    (D) $38.24

2. Robert wrote the division problem below. What is the quotient?

    $$13\overline{)83.2}$$

    (A) 6.4

    (B) 6.6

    (C) 64

    (D) 66

Spiral Review

3. What is the value of the following expression? (Lesson 1.12)

    $$2 \times \{6 + [12 \div (3 + 1)]\} - 1$$

    (A) 13

    (B) 17

    (C) 18

    (D) 21

4. Last month, Dory biked 11 times as many miles as Karly. Together they biked a total of 156 miles. How many miles did Dory bike last month? (Lesson 2.9)

    (A) 11 miles

    (B) 13 miles

    (C) 142 miles

    (D) 143 miles

5. Jin ran 15.2 miles over the weekend. He ran 6.75 miles on Saturday. How many miles did he run on Sunday? (Lesson 3.9)

    (A) 8.45 miles

    (B) 8.55 miles

    (C) 9.45 miles

    (D) 9.55 miles

6. A bakery used 475 pounds of apples to make 1,000 apple tarts. Each tart contains the same amount of apples. How many pounds of apples are used in each tart? (Lesson 5.1)

    (A) 47.5 pounds

    (B) 4.75 pounds

    (C) 0.475 pound

    (D) 0.0475 pound

Problem Solving • Multiply Money

Solve each problem.

1. Three friends go to the local farmers' market. Ashlee spends $8.25. Natalie spends 4 times as much as Ashlee. Patrick spends $9.50 more than Natalie. How much does Patrick spend?

| Ashlee | $8.25 | | | | |

| Natalie | $8.25 | $8.25 | $8.25 | $8.25 |
4 × $8.25 = $33.00

| Patrick | $8.25 | $8.25 | $8.25 | $8.25 | $9.50 |
$33.00 + $9.50 = $42.50

$42.50

2. Kimmy's savings account has a balance of $76.23 in June. By September, her balance is 5 times as much as her June balance. Between September and December, Kimmy deposits a total of $87.83 into her account. If she does not withdraw any money from her account, what should Kimmy's balance be in December?

_____

3. Amy raises $58.75 to participate in a walk-a-thon. Jeremy raises $23.25 more than Amy. Oscar raises 3 times as much as Jeremy. How much money does Oscar raise?

_____

4. It costs $5.50 per hour to rent a pair of ice skates, for up to 2 hours. After 2 hours, the rental cost per hour decreases to $2.50. How much does it cost to rent a pair of ice skates for 4 hours?

_____

Lesson Check

1. A family of two adults and four children is going to an amusement park. Admission is $21.75 for adults and $15.25 for children. What is the total cost of the family's admission?

   (A) $37

   (B) $89.25

   (C) $104.50

   (D) $117.50

2. Ms. Rosenbaum buys 5 crates of apples at the market. Each crate costs $12.50. She also buys one crate of pears for $18.75. What is the total cost of the apples and pears?

   (A) $12.50

   (B) $31.25

   (C) $62.50

   (D) $81.25

Spiral Review

3. How do you write $10 \times 10 \times 10 \times 10$ using exponents? **(Lesson 1.4)**

   (A) 10^3

   (B) 10^4

   (C) 10,000

   (D) 4^{10}

4. Which represents 125.638 rounded to the nearest hundredth? **(Lesson 3.4)**

   (A) 100

   (B) 125.6

   (C) 125.63

   (D) 125.64

5. The sixth-graders at Meadowbrook Middle School are going on a field trip. The 325 students and adults will ride in school buses. Each bus holds 48 people. How many school buses are needed? **(Lesson 2.7)**

   (A) 6

   (B) 6.77

   (C) 7

   (D) 8

6. A restaurant can seat 100 people. It has booths that seat 4 people and tables that seat 6 people. So far, 5 of the booths are full. Which expression matches the situation? **(Lesson 1.10)**

   (A) $4 \times 5 + 6$

   (B) $100 - (5 \times 4)$

   (C) $6 \times (4 + 5)$

   (D) $100 \div (4 + 6)$

Name _____

Divide Decimals

Divide.

1. $0.4\overline{)8.4}$

Multiply both 0.4 and 8.4 by 10 to make the divisor a whole number. Then divide.

$$\begin{array}{r} 21 \\ 4\overline{)84} \\ -8 \\ \hline 04 \\ -4 \\ \hline 0 \end{array}$$

2. $0.2\overline{)0.4}$

3. $0.07\overline{)1.68}$

4. $0.37\overline{)5.18}$

5. $0.4\overline{)10.4}$

6. $6.3 \div 0.7$

7. $1.52 \div 1.9$

8. $12.24 \div 0.34$

9. $10.81 \div 2.3$

Problem Solving REAL WORLD

10. At the market, grapes cost $0.85 per pound. Clarissa buys grapes and pays a total of $2.55. How many pounds of grapes does she buy?

11. Damon kayaks on a river near his home. He plans to kayak a total of 6.4 miles. Damon kayaks at an average speed of 1.6 miles per hour. How many hours will it take Damon to kayak the 6.4 miles?

Lesson Check

1. Lee walked a total of 4.48 miles. If he walks 1.4 miles each hour. How long did Lee walk?

   (A) 3.08 hours

   (B) 3.2 hours

   (C) 6.272 hours

   (D) 32 hours

2. Janelle has 3.6 yards of wire, which she wants to use to make bracelets. She needs 0.3 yard for each bracelet. Altogether, how many bracelets can Janelle make?

   (A) 1.08

   (B) 3.3

   (C) 3.9

   (D) 12

Spiral Review

3. Susie's teacher asks her to complete the multiplication problem below. What is the product? (Lesson 4.7)

$$\begin{array}{r} 0.3 \\ \times\ \ 3.7 \\ \hline \end{array}$$

   (A) 0.111

   (B) 1.11

   (C) 11.1

   (D) 111

4. At an Internet store, a laptop computer costs $724.99. At a local store, the same computer costs $879.95. What is the difference in prices? (Lesson 3.9)

   (A) $154.96

   (B) $155.04

   (C) $155.16

   (D) $155.96

5. Continue the pattern below. What is the quotient $75.8 \div 10^2$? (Lesson 5.1)

$$75.8 \div 10^0 = 75.8$$
$$75.8 \div 10^1 = \underline{\hspace{1cm}}$$
$$75.8 \div 10^2 = \underline{\hspace{1cm}}$$

   (A) 0.758   (C) 758

   (B) 7.58   (D) 7,580

6. Which number will make the following statement true? (Lesson 3.3)

$$58.827 < 58.\square1$$

   (A) 2

   (B) 3

   (C) 8

   (D) 9

Multiply Decimals

Find the product.

1.   5.8   58
       × 2.4   × 24
    13.92   **232**
             + 1,160
               1,392

2.   7.3
       × 9.6

3.   46.3
       × 0.8

4.   29.5
       ×   1.3

5.   3.76
       × 4.8

6.   9.07
       × 6.5

7. 0.42 × 75.3

8. 5.6 × 61.84

9. 7.5 × 18.74

10. 0.9 × 53.8

Problem Solving REAL WORLD

11. Aretha runs a marathon in 3.25 hours. Neal takes 1.6 times as long to run the same marathon. How many hours does it take Neal to run the marathon?

_____

12. Tiffany catches a fish that weighs 12.3 pounds. Frank catches a fish that weighs 2.5 times as much as Tiffany's fish. How many pounds does Frank's fish weigh?

_____

Lesson Check

1. Sue buys material to make a costume. She buys 1.75 yards of red material. She buys 1.2 times as many yards of blue material. How many yards of blue material does Sue buy?

   (A) 2.1 yards

   (B) 2.95 yards

   (C) 5.25 yards

   (D) 21 yards

2. Last week Juan worked 20.5 hours. This week he works 1.5 times as many hours as he did last week. How many hours does Juan work this week?

   (A) 12.3 hours

   (B) 22 hours

   (C) 30.75 hours

   (D) 37.5 hours

Spiral Review

3. The expression below shows a number in expanded form. What is the standard form of the number? **(Lesson 3.2)**

   $2 \times 10 + 3 \times \frac{1}{10} + 9 \times \frac{1}{100} + 7 \times \frac{1}{1,000}$

   (A) 2,397

   (B) 20.397

   (C) 2.397

   (D) 2.0397

4. Kelly buys a sweater for $16.79 and a pair of pants for $28.49. She pays with a $50 bill. How much change should Kelly get back? **(Lesson 3.11)**

   (A) $4.72

   (B) $5.48

   (C) $5.72

   (D) $45.28

5. Elvira is using a pattern to multiply $10^3 \times 37.2$.

   $10^0 \times 37.2 = 37.2$
   $10^1 \times 37.2 = 372$
   $10^2 \times 37.2 =$ _____
   $10^3 \times 37.2 =$ _____

   What is the product $10^3 \times 37.2$? **(Lesson 4.1)**

   (A) 0.0372

   (B) 0.372

   (C) 3,720

   (D) 37,200

6. Which digit should go in the box to make the following statement true? **(Lesson 3.3)**

   $$63.749 < 63.\boxed{}2$$

   (A) 3

   (B) 6

   (C) 7

   (D) 8