

Grade 5: The Year at a Glance

What each week teaches, what it brings back, and the Common Core standard the focus box practices.

Week	This week's focus	Also back again	Standard
1	Place value and powers of 10	Grade 4 multiplication and division	5.NBT.A.1, 5.NBT.A.2
2	Decimals to thousandths: read, write and compare	Place value	5.NBT.A.3
3	Rounding decimals	Comparing decimals	5.NBT.A.4
4	Multiplying multi-digit whole numbers	Rounding	5.NBT.B.5
5	Dividing by 2-digit divisors	Multiplying	5.NBT.B.6
6	Dividing larger numbers by 2-digit divisors	Division	5.NBT.B.6
7	Adding and subtracting decimals	Division	5.NBT.B.7
8	Multiplying decimals	Adding and subtracting decimals	5.NBT.B.7
9	Dividing decimals	Multiplying decimals	5.NBT.B.7
10	Order of operations	Decimals	5.OA.A.1
11	Writing and reading numerical expressions	Order of operations	5.OA.A.2
12	Adding fractions with unlike denominators	Expressions	5.NF.A.1
13	Subtracting fractions with unlike denominators	Adding fractions	5.NF.A.1
14	Adding and subtracting mixed numbers	Unlike denominators	5.NF.A.1
15	Fraction word problems; estimating with benchmark fra...	Mixed numbers	5.NF.A.2
16	Fractions as division	Fraction word problems	5.NF.B.3
17	Multiplying a fraction by a whole number and by a fra...	Fractions as division	5.NF.B.4
18	Mid-year review: decimals, division, adding fractions	Multiplying fractions	5.NBT.B.7, 5.NF.A.1
19	Multiplying mixed numbers; area with fraction sides	Multiplying fractions	5.NF.B.4, 5.NF.B.6
20	Multiplication as scaling	Multiplying mixed numbers	5.NF.B.5
21	Dividing unit fractions and whole numbers	Scaling	5.NF.B.7
22	Fraction multiplication and division word problems	Dividing fractions	5.NF.B.6, 5.NF.B.7
23	Converting customary units	Fraction word problems	5.MD.A.1
24	Converting metric units	Customary units	5.MD.A.1
25	Line plots with fractions	Conversions	5.MD.B.2
26	Volume: counting unit cubes	Line plots	5.MD.C.3, 5.MD.C.4
27	Volume formulas	Unit cubes	5.MD.C.5
28	Volume of composite solids	Volume formulas	5.MD.C.5
29	The coordinate plane	Volume	5.G.A.1
30	Graphing points and numerical patterns	Coordinate plane	5.G.A.2, 5.OA.B.3
31	Classifying polygons and triangles	Graphing points	5.G.B.3, 5.G.B.4
32	Classifying quadrilaterals	Polygons and triangles	5.G.B.3, 5.G.B.4
33	Review: decimals	Everything so far	5.NBT.A.3, 5.NBT.B.7
34	Review: fractions	Everything so far	5.NF.A.1, 5.NF.B.4
35	Review: volume, measurement and geometry	Everything so far	5.MD.C.5, 5.G.B.4
36	Ready for 6th grade: ratios	Everything so far	6.RP.A.1 (preview)

Weekly Math Review: Grade 5, Week 1

Name: _____

This week: Place value and powers of 10. Also back again: grade 4 multiplication and division.

MONDAY

1. Facts

$3 \times 4 = \underline{\hspace{2cm}} \quad 21 \div 7 = \underline{\hspace{2cm}}$

$6 \times 6 = \underline{\hspace{2cm}} \quad 24 \div 8 = \underline{\hspace{2cm}}$

$7 \times 4 = \underline{\hspace{2cm}} \quad 16 \div 4 = \underline{\hspace{2cm}}$

$3 \times 8 = \underline{\hspace{2cm}} \quad 63 \div 9 = \underline{\hspace{2cm}}$

$3 \times 6 = \underline{\hspace{2cm}} \quad 48 \div 8 = \underline{\hspace{2cm}}$

$8 \times 8 = \underline{\hspace{2cm}} \quad 64 \div 8 = \underline{\hspace{2cm}}$

2. Number sense

What is the value of the 6 in 362,480?

Round 48,715 to the nearest thousand.

Write $70,000 + 4,000 + 90 + 2$ as one number.

Which is greater, 510,900 or 509,999?

TUESDAY

3. Word problem

A theater has 8 sections. Each section has 1,245 seats. How many seats does the theater have?

Show your work.

Answer: _____ seats

4. This week: powers of 10

10^3 means $10 \times 10 \times 10$. What is 10^3 ?

What is 6×10^4 ?

In 7,700, the first 7 is worth how many times as much as the second 7?

_____ times

What is 0.7×100 ?

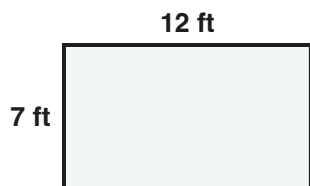
Weekly Math Review: Grade 5, Week 1

Week 1, side 2

WEDNESDAY

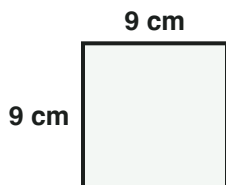
5. Measurement

Find the area and the perimeter of each rectangle.



Area
_____ sq ft

Perimeter
_____ ft



Area
_____ sq cm

Perimeter
_____ cm

A room has an area of 96 square feet. It is 8 feet wide. How long is it?

_____ feet

6. Patterns

Write the next two numbers.

1,200

1,350

1,500

1,650

5,000

4,750

4,500

4,250

64

80

96

112

THURSDAY

7. Puzzle

I am a prime number between 20 and 30. My two digits add up to 5. What number am I?

I am a multiple of 6 and a factor of 36. I am greater than 12 and less than 36. What number am I?

8. Find the mistake

Liv says $34 \times 20 = 680$.

Kai says $34 \times 20 = 68$.

Who is right? _____

What did the other one do wrong?

Weekly Math Review: Grade 5, Week 2

Name: _____

This week: Decimals to thousandths: read, write and compare. Also back again: place value.

MONDAY

1. Facts

$3 \times 5 = \underline{\hspace{2cm}} \quad 36 \div 6 = \underline{\hspace{2cm}}$

$30 \times 50 = \underline{\hspace{2cm}} \quad 3 \times 7 = \underline{\hspace{2cm}}$

$18 \div 6 = \underline{\hspace{2cm}} \quad 60 \times 4 = \underline{\hspace{2cm}}$

$6 \times 6 = \underline{\hspace{2cm}} \quad 72 \div 9 = \underline{\hspace{2cm}}$

$90 \times 3 = \underline{\hspace{2cm}} \quad 9 \times 7 = \underline{\hspace{2cm}}$

$35 \div 7 = \underline{\hspace{2cm}} \quad 80 \times 6 = \underline{\hspace{2cm}}$

2. Number sense

What is 8×10^3 ?

Write $10 \times 10 \times 10 \times 10 \times 10$ as a power of 10.

What is the value of the 9 in 1,925,000?

What is $4,500 \div 100$?

TUESDAY

3. Word problem

A school orders 36 boxes of pencils. Each box holds 24 pencils. How many pencils does the school order?

Show your work.

Answer: _____ pencils

4. This week: decimals

The chart shows the number 4.275.

Ones	Tenths	Hundredths	Thousandths
4	2	7	5

Write the value of the 7 as a decimal.

Which digit is in the thousandths place?

Write $6 + 0.3 + 0.008$ as one decimal.

Which is greater, 0.52 or 0.508?

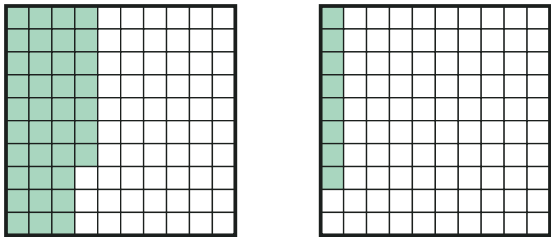
Weekly Math Review: Grade 5, Week 2

Week 2, side 2

WEDNESDAY

5. Decimals

Each grid is one whole cut into 100 equal squares. What decimal is shaded?



Write seven tenths as a decimal.

6. Patterns

Find the rule. Then finish the table.

In	Out
7	700
25	2,500
140	
306	

The rule is _____

If In is 58, Out is _____

THURSDAY

7. Puzzle

I am a 3-digit number. My hundreds digit is 4. My tens digit is twice my hundreds digit. My ones digit is 5 less than my tens digit. What number am I?

A number has 6 thousands, 14 hundreds and 3 ones. Write the number.

8. Find the mistake

Maya says $5 \times 10^3 = 5,000$.

Cole says $5 \times 10^3 = 150$.

Who is right? _____

What did the other one do wrong?

Weekly Math Review: Grade 5, Week 3

Name: _____

This week: Rounding decimals. Also back again: comparing decimals.

MONDAY

1. Facts

$8 \times 4 = \underline{\hspace{2cm}} \quad 56 \div 7 = \underline{\hspace{2cm}}$

$20 \times 400 = \underline{\hspace{2cm}} \quad 8 \times 8 = \underline{\hspace{2cm}}$

$81 \div 9 = \underline{\hspace{2cm}} \quad 70 \times 20 = \underline{\hspace{2cm}}$

$7 \times 8 = \underline{\hspace{2cm}} \quad 36 \div 6 = \underline{\hspace{2cm}}$

$80 \times 30 = \underline{\hspace{2cm}} \quad 7 \times 6 = \underline{\hspace{2cm}}$

$27 \div 9 = \underline{\hspace{2cm}} \quad 420 \div 60 = \underline{\hspace{2cm}}$

2. Number sense

Which is greater, 3.4 or 3.38?

Write $2 + 0.05 + 0.001$ as one decimal.

What is 7×10^2 ?

Put in order from least to greatest: 0.6, 0.06, 0.16.

TUESDAY

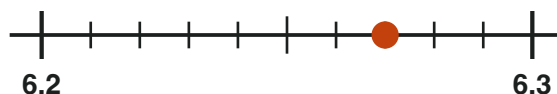
3. Word problem

A farmer picks 1,548 apples. He packs them equally into 6 crates. How many apples go in each crate?

Show your work.

Answer: _____ apples

4. This week: rounding decimals



What decimal is at the dot?

Round the decimal at the dot to the nearest tenth.

Round 4.618 to the nearest hundredth.

Round 12.5 to the nearest whole number.

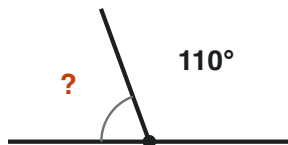
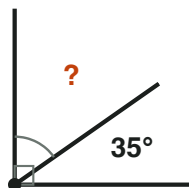
Weekly Math Review: Grade 5, Week 3

Week 3, side 2

WEDNESDAY

5. Angles

Each picture shows a right angle or a straight line split into two angles. Find the missing angle.



Is a 95° angle acute, right or obtuse?

6. Patterns

Write the next two numbers.

2,500

3,000

3,500

4,000

96

84

72

60

125

250

375

500

THURSDAY

7. Puzzle

I am between 50 and 60. I am a multiple of 9.
What number am I?

A decimal has a 3 in the ones place, a 0 in the tenths place and a 9 in the hundredths place.
Write the decimal.

8. Find the mistake

Nora says 0.45 is greater than 0.5.

Eli says 0.5 is greater than 0.45.

Who is right? _____

What did the other one do wrong?

Weekly Math Review: Grade 5, Week 4

Name: _____

This week: Multiplying multi-digit whole numbers. Also back again: rounding.

MONDAY

1. Facts

$7 \times 7 = \underline{\hspace{2cm}} \quad 21 \div 7 = \underline{\hspace{2cm}}$

$50 \times 6 = \underline{\hspace{2cm}} \quad 18 \times 5 = \underline{\hspace{2cm}}$

$9 \times 7 = \underline{\hspace{2cm}} \quad 12 \div 4 = \underline{\hspace{2cm}}$

$350 \div 7 = \underline{\hspace{2cm}} \quad 23 \times 4 = \underline{\hspace{2cm}}$

$3 \times 9 = \underline{\hspace{2cm}} \quad 32 \div 4 = \underline{\hspace{2cm}}$

$450 \div 50 = \underline{\hspace{2cm}} \quad 45 \times 2 = \underline{\hspace{2cm}}$

2. Number sense

Round 7.84 to the nearest tenth.

Round 0.365 to the nearest hundredth.

Round 19.6 to the nearest whole number.

What is 40×300 ?

TUESDAY

3. Word problem

A bakery uses 475 grams of flour for each loaf of bread. How much flour does it need for 6 loaves?

Show your work.

Answer: _____ grams

4. This week: multiplying

$$\begin{array}{r} 346 \\ \times 27 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 1,204 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 715 \\ \times 62 \\ \hline \end{array}$$

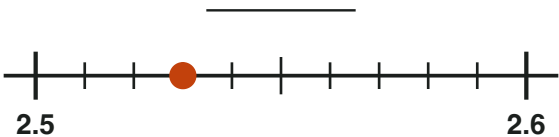
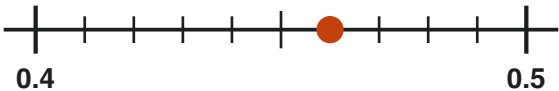
Weekly Math Review: Grade 5, Week 4

Week 4, side 2

WEDNESDAY

5. Decimals

What decimal is at the dot on each number line?



Which is less, 0.409 or 0.49?

6. Patterns

Find the rule. Then finish the table.

In	Out
3	60
8	160
15	
40	

The rule is _____

If In is 25, Out is _____

THURSDAY

7. Puzzle

I think of a number. I multiply it by 12 and get 180. What is my number?

I am a 2-digit number. When you round me to the nearest ten, you get 70. My digits add up to 14. What number am I?

8. Find the mistake

Ruby says 7.96 rounded to the nearest tenth is **8.0**.

Finn says 7.96 rounded to the nearest tenth is **7.10**.

Who is right? _____

What did the other one do wrong?

Weekly Math Review: Grade 5, Week 1 (Answer Key)

This week: Place value and powers of 10. Also back again: grade 4 multiplication and division.

MONDAY

1. Facts

$3 \times 4 = \underline{12} \quad 21 \div 7 = \underline{3}$

$6 \times 6 = \underline{36} \quad 24 \div 8 = \underline{3}$

$7 \times 4 = \underline{28} \quad 16 \div 4 = \underline{4}$

$3 \times 8 = \underline{24} \quad 63 \div 9 = \underline{7}$

$3 \times 6 = \underline{18} \quad 48 \div 8 = \underline{6}$

$8 \times 8 = \underline{64} \quad 64 \div 8 = \underline{8}$

2. Number sense

What is the value of the 6 in 362,480?

60,000

Round 48,715 to the nearest thousand.

49,000

Write $70,000 + 4,000 + 90 + 2$ as one number.

74,092

Which is greater, 510,900 or 509,999?

510,900

TUESDAY

3. Word problem

A theater has 8 sections. Each section has 1,245 seats. How many seats does the theater have?

Show your work.

$8 \times 1,245 = 9,960$

Answer: 9,960 seats

4. This week: powers of 10

10^3 means $10 \times 10 \times 10$. What is 10^3 ?

1,000

What is 6×10^4 ?

60,000

In 7,700, the first 7 is worth how many times as much as the second 7?

10 times

What is 0.7×100 ?

70

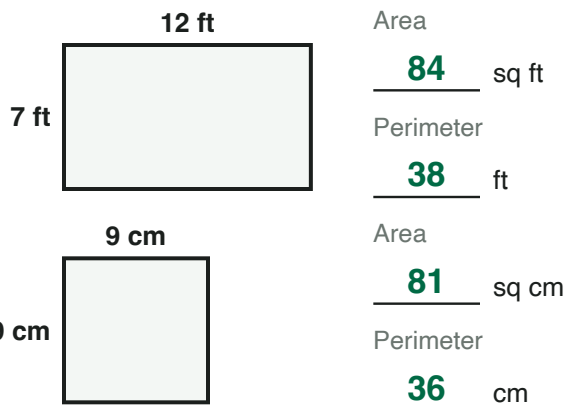
Weekly Math Review: Grade 5, Week 1 (Answer Key)

Week 1, side 2

WEDNESDAY

5. Measurement

Find the area and the perimeter of each rectangle.



A room has an area of 96 square feet. It is 8 feet wide. How long is it?

12 feet

6. Patterns

Write the next two numbers.

1,200 1,350 1,500 1,650 **1,800** **1,950**

5,000 4,750 4,500 4,250 **4,000** **3,750**

64 80 96 112 **128** **144**

THURSDAY

7. Puzzle

I am a prime number between 20 and 30. My two digits add up to 5. What number am I?

23

I am a multiple of 6 and a factor of 36. I am greater than 12 and less than 36. What number am I?

18

8. Find the mistake

Liv says $34 \times 20 = 680$.

Kai says $34 \times 20 = 68$.

Who is right? Liv

What did the other one do wrong?

Kai multiplied 34×2 and forgot that the 2 in 20 means 2 tens, so the zero is missing.

Weekly Math Review: Grade 5, Week 2 (Answer Key)

This week: Decimals to thousandths: read, write and compare. Also back again: place value.

MONDAY

1. Facts

$3 \times 5 = \underline{15} \quad 36 \div 6 = \underline{6}$

$30 \times 50 = \underline{1,500} \quad 3 \times 7 = \underline{21}$

$18 \div 6 = \underline{3} \quad 60 \times 4 = \underline{240}$

$6 \times 6 = \underline{36} \quad 72 \div 9 = \underline{8}$

$90 \times 3 = \underline{270} \quad 9 \times 7 = \underline{63}$

$35 \div 7 = \underline{5} \quad 80 \times 6 = \underline{480}$

2. Number sense

What is 8×10^3 ?

8,000

Write $10 \times 10 \times 10 \times 10 \times 10$ as a power of 10.

10^5

What is the value of the 9 in 1,925,000?

900,000

What is $4,500 \div 100$?

45

TUESDAY

3. Word problem

A school orders 36 boxes of pencils. Each box holds 24 pencils. How many pencils does the school order?

Show your work.

$36 \times 24 = 864$

Answer: 864 pencils

4. This week: decimals

The chart shows the number 4.275.

Ones	Tenths	Hundredths	Thousandths
4	2	7	5

Write the value of the 7 as a decimal.

0.07

Which digit is in the thousandths place?

5

Write $6 + 0.3 + 0.008$ as one decimal.

6.308

Which is greater, 0.52 or 0.508?

0.52

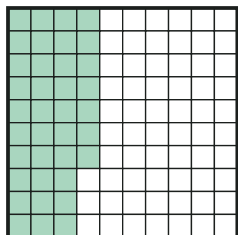
Weekly Math Review: Grade 5, Week 2 (Answer Key)

Week 2, side 2

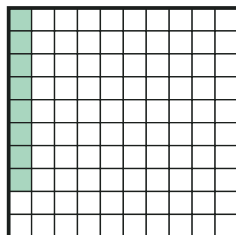
WEDNESDAY

5. Decimals

Each grid is one whole cut into 100 equal squares. What decimal is shaded?



0.37



0.08

Write seven tenths as a decimal.

0.7

6. Patterns

Find the rule. Then finish the table.

In	Out
7	700
25	2,500
140	14,000
306	30,600

The rule is $\times 100$

If In is 58, Out is 5,800

THURSDAY

7. Puzzle

I am a 3-digit number. My hundreds digit is 4. My tens digit is twice my hundreds digit. My ones digit is 5 less than my tens digit. What number am I?

483

A number has 6 thousands, 14 hundreds and 3 ones. Write the number.

7,403

8. Find the mistake

Maya says $5 \times 10^3 = 5,000$.

Cole says $5 \times 10^3 = 150$.

Who is right? Maya

What did the other one do wrong?

Cole multiplied 10 by 3. The small 3 means three 10s multiplied together, which is 1,000.

Weekly Math Review: Grade 5, Week 3 (Answer Key)

This week: Rounding decimals. Also back again: comparing decimals.

MONDAY

1. Facts

$$8 \times 4 = \underline{32} \quad 56 \div 7 = \underline{8}$$

$$20 \times 400 = \underline{8,000} \quad 8 \times 8 = \underline{64}$$

$$81 \div 9 = \underline{9} \quad 70 \times 20 = \underline{1,400}$$

$$7 \times 8 = \underline{56} \quad 36 \div 6 = \underline{6}$$

$$80 \times 30 = \underline{2,400} \quad 7 \times 6 = \underline{42}$$

$$27 \div 9 = \underline{3} \quad 420 \div 60 = \underline{7}$$

2. Number sense

Which is greater, 3.4 or 3.38?

3.4

Write $2 + 0.05 + 0.001$ as one decimal.

2.051

What is 7×10^2 ?

700

Put in order from least to greatest: 0.6, 0.06, 0.16.

0.06, 0.16, 0.6

TUESDAY

3. Word problem

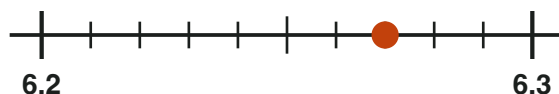
A farmer picks 1,548 apples. He packs them equally into 6 crates. How many apples go in each crate?

Show your work.

$$1,548 \div 6 = 258$$

Answer: 258 apples

4. This week: rounding decimals



What decimal is at the dot?

6.27

Round the decimal at the dot to the nearest tenth.

6.3

Round 4.618 to the nearest hundredth.

4.62

Round 12.5 to the nearest whole number.

13

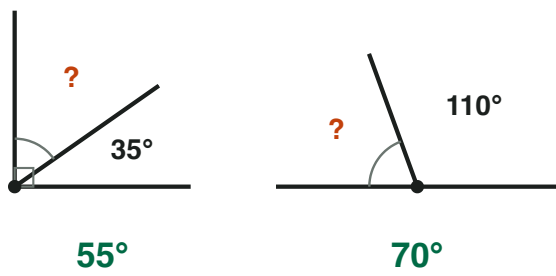
Weekly Math Review: Grade 5, Week 3 (Answer Key)

Week 3, side 2

WEDNESDAY

5. Angles

Each picture shows a right angle or a straight line split into two angles. Find the missing angle.



Is a 95° angle acute, right or obtuse?

obtuse

6. Patterns

Write the next two numbers.

2,500 3,000 3,500 4,000 **4,500** **5,000**

96 84 72 60 **48** **36**

125 250 375 500 **625** **750**

THURSDAY

7. Puzzle

I am between 50 and 60. I am a multiple of 9.
What number am I?

54

A decimal has a 3 in the ones place, a 0 in the tenths place and a 9 in the hundredths place.
Write the decimal.

3.09

8. Find the mistake

Nora says 0.45 is greater than 0.5.

Eli says 0.5 is greater than 0.45.

Who is right? Eli

What did the other one do wrong?

Nora thought that 45 is more than 5, so 0.45 must be more. Compare the tenths first: 0.5 has 5 tenths and 0.45 has only 4 tenths.

Weekly Math Review: Grade 5, Week 4 (Answer Key)

This week: Multiplying multi-digit whole numbers. Also back again: rounding.

MONDAY

1. Facts

$7 \times 7 = \underline{49} \quad 21 \div 7 = \underline{3}$

$50 \times 6 = \underline{300} \quad 18 \times 5 = \underline{90}$

$9 \times 7 = \underline{63} \quad 12 \div 4 = \underline{3}$

$350 \div 7 = \underline{50} \quad 23 \times 4 = \underline{92}$

$3 \times 9 = \underline{27} \quad 32 \div 4 = \underline{8}$

$450 \div 50 = \underline{9} \quad 45 \times 2 = \underline{90}$

2. Number sense

Round 7.84 to the nearest tenth.

7.8

Round 0.365 to the nearest hundredth.

0.37

Round 19.6 to the nearest whole number.

20

What is 40×300 ?

12,000

TUESDAY

3. Word problem

A bakery uses 475 grams of flour for each loaf of bread. How much flour does it need for 6 loaves?

Show your work.

$6 \times 475 = 2,850$

Answer: 2,850 grams

4. This week: multiplying

$$\begin{array}{r} 346 \\ \times 27 \\ \hline 9,342 \end{array}$$

$$\begin{array}{r} 58 \\ \times 43 \\ \hline 2,494 \end{array}$$

$$\begin{array}{r} 1,204 \\ \times 36 \\ \hline 43,344 \end{array}$$

$$\begin{array}{r} 715 \\ \times 62 \\ \hline 44,330 \end{array}$$

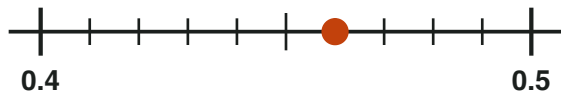
Weekly Math Review: Grade 5, Week 4 (Answer Key)

Week 4, side 2

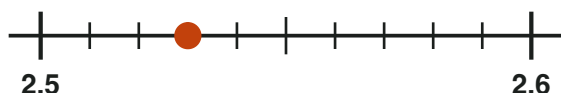
WEDNESDAY

5. Decimals

What decimal is at the dot on each number line?



0.46



2.53

Which is less, 0.409 or 0.49?

0.409

THURSDAY

7. Puzzle

I think of a number. I multiply it by 12 and get 180. What is my number?

15

I am a 2-digit number. When you round me to the nearest ten, you get 70. My digits add up to 14. What number am I?

68

6. Patterns

Find the rule. Then finish the table.

In	Out
3	60
8	160
15	300
40	800

The rule is $\times 20$

If In is 25, Out is 500

8. Find the mistake

Ruby says 7.96 rounded to the nearest tenth is **8.0**.

Finn says 7.96 rounded to the nearest tenth is **7.10**.

Who is right? **Ruby**

What did the other one do wrong?

Finn changed the 9 tenths to 10 tenths and wrote 7.10. Ten tenths make one more whole, so the answer is 8.0.