



Simply

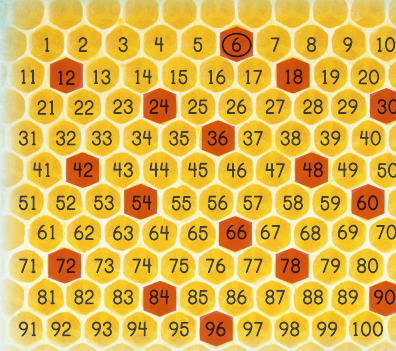
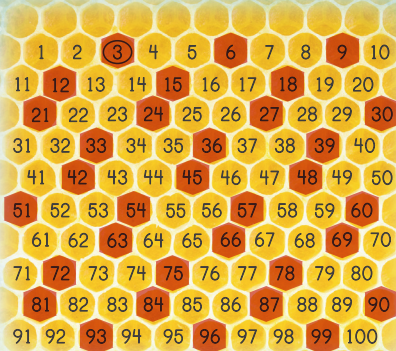
Good and Beautiful

MATH 4 ANSWER KEY

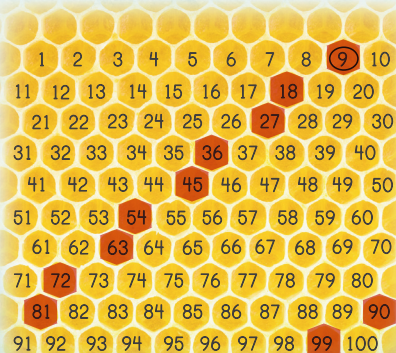
Hexagonal Honeycombs

Starting at the circled 3, use skip counting by 3s to color in every third hexagon on the first honeycomb.

On the second honeycomb, start at the circled 6 and use skip counting by 6s to color in every sixth hexagon.



Starting at the circled 9, use skip counting by 9s to color in every ninth hexagon on the third honeycomb.



Look at the numbers you colored in the last honeycomb. Which number pattern do they follow?

EVEN, EVEN, EVEN, EVEN
EVEN, ODD, EVEN, ODD

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MATH 4

Lesson Practice

1. Write a sequence by skip counting by 7s.

7, 14, 21, 28, 35, 42, 49, 56, 63

2. Circle the correct pattern for the sequence above.

EVEN, EVEN, EVEN, EVEN EVEN, ODD, EVEN, ODD

3. Fill in the missing numbers for the following sequence:

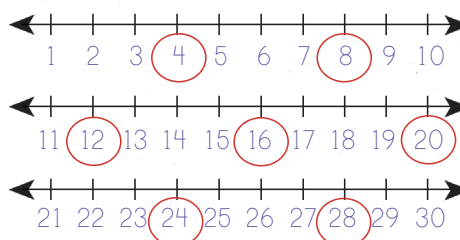
8, 16, 24, 32, 40, 48,

56, 64, 72, 80, 88

4. Write the minutes around the outside of the clock by skip counting by 5s. The first two have been done for you.

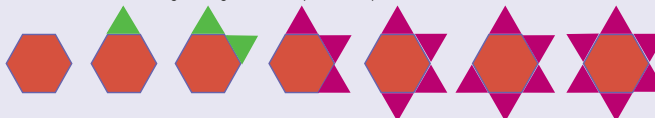


5. Circle the numbers on the number lines that follow the pattern of skip counting by 4s.



Review

1. Continue adding triangles to complete the pattern.



2. Is this pattern a growing pattern or a repeating pattern? growing

3. Complete the multiplication problems.

$$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array} \quad \begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array} \quad \begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array} \quad \begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array} \quad \begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array} \quad \begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array} \quad \begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array}$$

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Let's finish our addition review by adding dollars and cents. Look at this problem:

$$\begin{array}{r} \$15.32 \\ + \$7.64 \\ \hline \end{array}$$

When adding money, always line up the decimal points and include the dollar signs. You can then add, starting on the right.

$$\begin{array}{r} 1 \\ \$15.32 \\ + \$7.64 \\ \hline \$22.96 \end{array}$$

Don't forget! When adding money, you need to write a decimal point and a dollar or a cent sign in the answer.

$$\begin{array}{r} 1 \\ \$15.32 \\ + \$7.64 \\ \hline \$22.96 \end{array}$$

Do you still have questions after reading the mini lesson? Watch (or rewatch) the video!

Lesson Practice

1. Circle the addends in each problem, and then find the sum.

$$\begin{array}{r} 22 \\ + 13 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 234 \\ + 61 \\ \hline 295 \end{array}$$

$$\begin{array}{r} 124 \\ + 40 \\ \hline 164 \end{array}$$

2. Use the commutative property to rewrite this equation by changing the order of the addends.

$$23 + 15 = 38$$

$$15 + 23 = 38$$

3. Complete the problems.

$$\begin{array}{r} 351 \\ + 178 \\ \hline 529 \end{array}$$

$$\begin{array}{r} 34 \\ + 29 \\ \hline 63 \end{array}$$

$$\begin{array}{r} \$49.42 \\ + \$6.37 \\ \hline \$55.79 \end{array}$$

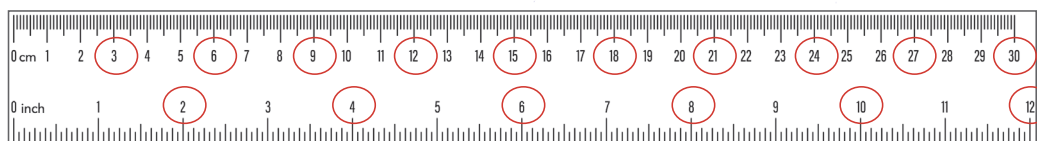
$$\begin{array}{r} 126 \\ + 103 \\ \hline 229 \end{array}$$

$$\begin{array}{r} \$24.61 \\ + \$8.63 \\ \hline \$33.24 \end{array}$$



Review

1. On the centimeter side, skip count by 3s and circle the numbers. On the inch side, skip count by 2s and circle the numbers.



2. You and your best friend are each baking cupcakes to sell together this weekend at the farmers market. You baked 36 strawberry cream cupcakes, and your best friend baked 48 double chocolate cupcakes. How many cupcakes will you have altogether to sell this weekend? Show your work in the box to the right.

$$\begin{array}{r} 36 \\ + 48 \\ \hline 84 \text{ cupcakes} \end{array}$$

3. You plan to sell each cupcake for \$4. Continue this skip counting number pattern to determine how much money you will have after selling 13 cupcakes.

\$4, \$8, \$12, \$16, \$20, \$24, \$28, \$32, \$36, \$40, \$44, \$48, \$52

4. On Saturday you and your friend added up all the money you made. After paying your moms back for groceries to make the cupcakes, you had \$47.24 and your friend had \$54.47. How much money did you and your friend make together?

$$\begin{array}{r} \$47.24 \\ + \$54.47 \\ \hline \$101.71 \end{array}$$



5. Label the hours on the clock from 1 to 12, and then draw the hour and minute hands to show 9:15.



6. Circle the even numbers and cross out the odd.

~~384~~ ~~8~~ ~~71~~ ~~222~~ ~~6~~ ~~50~~
20,484 ~~1~~ ~~3~~ ~~5~~ ~~7~~ 528 ~~4~~ ~~9~~

7. Complete the multiplication problems.

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

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

$$\begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array}$$

Answers will vary. An example is given for each triangle.

NOTE: Triangles may not be drawn to scale.

By Angle

This **RIGHT** triangle has an angle that measures 30° and an angle that measures 60° . Color this triangle **RED**.

This **ACUTE** triangle has three angles that measure 60° . Color this triangle **YELLOW**.

This **RIGHT** triangle has an angle that measures 53° and an angle that measures 37° . Color this triangle **PURPLE**.

3. Fill in the missing numerators and denominators to make fractions equal to $\frac{1}{2}$.

4. Fill in the missing information to make equivalent fractions.

1. Complete the problems.

2. Devin made a mistake when completing the division problem below. Can you find his mistake? Once you do, complete the problem correctly.

$$\begin{array}{r} 114 \\ 6 \overline{) 684} \\ \underline{- 6} \\ 08 \\ \underline{- 6} \\ 24 \\ \underline{- 24} \\ 0 \end{array}$$

Practice any problems you missed in your Set D quiz in Lesson 49. Then complete the problems in this section.

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Review

16 oz = 1 lb
2,000 lb = 1 tn
1,000 g = 1 kg

1. Complete each conversion.

$$8 \text{ lb} = \underline{128} \text{ oz}$$

$$32 \text{ oz} = \underline{2} \text{ lb}$$

$$6,000 \text{ lb} = \underline{3} \text{ tn}$$

$$12 \text{ lb} = \underline{192} \text{ oz}$$

$$6.35 \text{ kg} = \underline{6,350} \text{ g}$$

$$4,000 \text{ g} = \underline{4} \text{ kg}$$

2. Simplify each fraction or mixed number, and then write each one as a decimal number.

$$\frac{15}{20}$$

$$\frac{3}{4}$$

$$0.75$$

$$\frac{2}{8}$$

$$\frac{1}{4}$$

$$0.25$$

$$1 \frac{10}{20}$$

$$1 \frac{1}{2}$$

$$1.5$$

$$3 \frac{4}{16}$$

$$3 \frac{1}{4}$$

$$3.25$$

3. Add or subtract the mixed numbers and fraction. Then write the answers in simplest form in the gray boxes.

$$5 \frac{5}{12} - 1 \frac{4}{24} = 4 \frac{6}{24}$$

$$4 \frac{1}{4}$$

$$6 \frac{1}{4} + \frac{2}{8} = 6 \frac{4}{8}$$

$$6 \frac{1}{2}$$

$$2 \frac{1}{6} + 1 \frac{1}{2} = 3 \frac{4}{6}$$

$$3 \frac{2}{3}$$

4. Complete each problem.

$$\begin{array}{r} 214 \text{ R}22 \\ 30 \overline{)6,442} \end{array}$$

$$\begin{array}{r} 25 \text{ R}8 \\ 10 \overline{)258} \end{array}$$

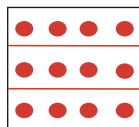
$$\begin{array}{r} 203 \text{ R}3 \\ 4 \overline{)815} \end{array}$$

$$\begin{array}{r} 325 \\ 10 \overline{)3,250} \end{array}$$

5. Use the box to divide the number 12 into 3 equal groups. Then answer the question.

What is $\frac{2}{3}$ of 12?

8



6. Rewrite each problem vertically on scratch paper and complete it.

$$195.54 - 84.193 = 111.347$$

$$0.341 + 730.88 = 731.221$$

$$8.34 + 274.307 = 282.647$$

$$8 \overline{)64}$$

$$5 \overline{)25}$$

$$4 \overline{)16}$$

$$5 \overline{)45}$$

$$4 \overline{)36}$$

$$3 \overline{)27}$$

$$5 \overline{)35}$$

$$6 \overline{)18}$$

$$6 \overline{)30}$$

$$8 \overline{)72}$$

$$12 \overline{)108}$$

$$12 \overline{)36}$$



TREASURE HUNT

Are you ready to go on a treasure hunt? Use the ordered pairs listed to find the path to the treasure chest. As you find each point, write the letter for that ordered pair in the box at the bottom of the next page. Connect the points in order as you travel across the map.



Path to the Treasure

(5, 1)

(6, 3)

(4, 3)

(3, 4)

(2, 6)

(5, 7)

(7, 7)

(7, 5)

(8, 3)

(9, 2)

Lesson
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REVIEW GAME: UNITS 1 AND 2

▲ Complete today's *Math 4 Mental Math Map Mysteries* activity.
▲ There are no more videos, mini lessons, or practice!

Welcome to Italy! In the next two lessons, we will be taking a trip across the country of Italy, visiting different cities while reviewing some of the most important skills you've learned throughout this course. Follow the itinerary below to move from city to city. Complete each of the problems on the postcard for that city before moving on to the next city.

DAY 1
 Your plane lands in Italy at 4:45 PM. The plane ride lasted 2 hours and 20 minutes. At what time did you board the plane?

2:25 PM

Your tour of Italy starts in Bolzano, the capital of the South Tyrol region. This beautiful area offers stunning castles and quaint mountain villages amid endless hills and vineyards.

DAY 2
 You hop on a bus for the short trip to the famous city of Venice. The bus leaves at 7:23 AM and arrives at 10:50 AM. How long was the bus ride?

3 hours 27 minutes

The city of Venice stretches across 118 small islands and doesn't have any major roads, just canals! Today, you take a gondola ride through the historic city.

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"Buongiorno!" from Bolzano

Write the place value of the underlined digit.

25. <u>1</u> 4	0. <u>2</u> 34	7. <u>4</u> 97
hundredths	thousandths	tenths
25 <u>1</u> ,475	7,4 <u>6</u> 5	3,541,725
thousands	tens	millions

Rewrite each problem vertically on scratch paper and complete it.

115.4 - 84.19 = 31.21	347.2 - 6.547 = 340.653
0.385 + 71.25 = 71.635	2.7 + 0.69 = 3.39
57.3 - 0.178 = 57.122	

VACATIONING IN VENICE, ITALY

Round each decimal number to the underlined digit.

6 <u>7</u> .23	1.8 <u>9</u>	391. <u>5</u> 1
67	1.9	392

Round each number to the underlined digit.

221,319, <u>0</u> 22	421,815, <u>1</u> 72	147,784, <u>1</u> 92
270,000,000	400,000,000	148,000,000

Arrange these decimal numbers from least to greatest.

32.106	74.254	74.245
32.160	74.524	74.254
32.016	74.245	74.524
31.026	74.542	74.542
Least	Least	Least
Greatest	Greatest	Greatest

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Math 4 Answer Key

COURSE ASSESSMENT



Parent/Teacher

Read the following information aloud to the child: This assessment is different from the others you have taken in this course. Instead of covering only concepts taught in Unit 4, this assessment covers concepts you have learned throughout the entire course. Problems in this assessment have been carefully designed to assess you on multiple skills at once. For example, a single long division question can cover the long division steps, division with zero in the quotient, dividing by two-digit numbers, and dividing decimals. A question on rounding can assess place value, rounding, and decimal numbers. This assessment does not cover every skill you learned in Math 4. Instead, it focuses on skills you need to know as you start Math 5.

Here are some tips. First, make sure to read the instructions carefully. Second, do not rush through exercises you think you already know. Third, if you start to get frustrated with one section, try skipping to a different section and then coming back later. The sections do not need to be completed in order.

For Lesson 119 complete all the exercises with PURPLE headers ONLY. Your parent or teacher will correct the work. If you make one or more mistakes in a section, your parent or teacher will check the orange "Additional Practice" checkbox for that section.

For Lesson 120 complete all the orange sections that are checked. If you still have trouble with the concept, go back and rewatch the video or reread the mini lesson for that topic.

Student

DECIMAL NUMBERS

(LESSONS 76, 87 & 103)

Rewrite each problem vertically and complete it.

$241.62 + 92.107$

$175.845 - 47.5$

333.727

128.345

Divide or multiply each number by moving the decimal point.

$22.47 \div 10 = 2.247$

$4.32 \times 10 = 43.2$

$195.3 \div 100 = 1.953$

$7.489 \times 100 = 748.9$

$12.347 \div 1,000 = 12.347$

$1.234 \times 1,000 = 1,234$

In the number below, circle the digit in the thousandths place. Draw a square around the digit in the tenths place. Cross out the digit in the hundredths place.

2,487.9~~8~~0

Additional Practice

Complete each problem.

$$\begin{array}{r} 12.75 \\ + 0.47 \\ \hline 13.22 \end{array}$$

$$\begin{array}{r} 157.12 \\ - 41.24 \\ \hline 115.88 \end{array}$$

Divide or multiply each decimal number by moving the decimal point.

$21.8 \div 10 = 2.18$

$634.2 \div 100 = 6.342$

$321.7 \div 1,000 = 0.3217$

Circle the digit in the hundredths place.

14,517.398

$0.78 \times 10 = 7.8$

$27.87 \times 100 = 2,787$

$2.0478 \times 1,000 = 2,047.8$

LONG DIVISION

(LESSONS 41, 47, 51, 63, 69, 77, 81, 97, 101, 111 & 113)

Complete each division problem. Remember to write the decimal point in the quotient if necessary.

$$\begin{array}{r} 35.7 \\ 6 \overline{)214.2} \end{array}$$

$$\begin{array}{r} 20.4 \\ 18 \overline{)367.2} \end{array}$$

$$\begin{array}{r} 684 R2 \\ 10 \overline{)6,842} \end{array}$$

$$\begin{array}{r} 223 R12 \\ 32 \overline{)7,148} \end{array}$$

Additional Practice

Complete each division problem. Remember to write the decimal point in the quotient if necessary.

$$\begin{array}{r} 3.81 \\ 4 \overline{)15.24} \end{array}$$

$$\begin{array}{r} 22.48 \\ 21 \overline{)472.08} \end{array}$$

$$\begin{array}{r} 361 R9 \\ 10 \overline{)3,619} \end{array}$$

$$\begin{array}{r} 111 R17 \\ 45 \overline{)5,012} \end{array}$$

EXPONENTS & PRIME NUMBERS

(LESSONS 37 & 52)

Convert from factored form to exponent form.

$2 \times 2 \times 2 = 2^3$

$5 \times 5 \times 5 \times 5 \times 5 = 5^5$

$8 \times 8 \times 8 \times 8 \times 8 = 8^5$

$3 \times 3 \times 3 \times 3 = 3^4$

Fill in the perfect squares in the chart. The first one has been done.

4^2	16
8^2	64
2^2	4
5^2	25
3^2	9
9^2	81

Circle all the prime numbers in the box below.

2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18

Additional Practice

Convert from exponent form to factored form.

$4^6 = 4 \times 4 \times 4 \times 4 \times 4 \times 4$

$7^3 = 7 \times 7 \times 7$

$9^5 = 9 \times 9 \times 9 \times 9 \times 9$

$6^2 = 6 \times 6$

Fill in the perfect squares in the chart. The first one has been done.

11^2	121
4^2	16
10^2	100
7^2	49
6^2	36
12^2	144

Circle all the composite numbers in the box below.

2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18