

Dear Soon-To-Be 7th Graders,

Summer is a time for lots of fun in the sun, but keeping your math skills sharp is also important! Your summer math assignment is to complete the skills review packet. This will be collected when you return to ABVM for the 2021-2022 school year. This assignment is worth 20 points.

When you complete the packet please show all your work on loose leaf when needed. The looseleaf must have the proper Assumption heading and all work must be written neatly and in pencil. If underlining, remember to use a ruler. Please staple the entire completed packet together for submission in September. If you need help with certain problems you may use old notebooks and online math resources such as Khan Academy.

I hope you have a fun and safe summer vacation!

God Bless,

Mrs. Neuser

Math Numbers and Operations 6_1

Student Name: _____

Date: _____

$$3 + 0 + 4 + 5 = \underline{\quad}$$

- A. 9
- B. 12
- C. 6

$$3 \times 0.3 = \underline{\quad}$$

- A. 9
- B. 0.09
- C. 0.9

$$50.2 + 2 = \underline{\quad}$$

- A. 25.1
- B. 100.4
- C. 502

$$\frac{3}{8} \times \frac{2}{5} = \underline{\quad}$$

- A. $\frac{5}{13}$
- B. $\frac{6}{20}$
- C. $\frac{6}{40}$

$$3\frac{1}{3} \div \frac{1}{2} =$$

- A. $\frac{10}{3} \times 2$
- B. $\frac{3}{10} \times \frac{1}{2}$
- C. $\frac{7}{3} \times 2$

Which value is least?

- A. 0.02
- B. 0.002
- C. 0.2

$$\frac{7}{8} \underline{\hspace{1cm}} 0.25$$

- A. <
- B. =
- C. >

$$34 \times \frac{1}{4} =$$

- A. $34 + \frac{3}{4}$
- B. $34 \div 4$
- C. $34 - \frac{3}{4}$

Math Numbers and Operations 6_2

Student Name: _____

Date: _____

$$\frac{3}{1} \times \frac{1}{5} = \underline{\quad}$$

- A. $\frac{1}{5}$
- B. $\frac{3}{5}$
- C. $\frac{5}{1}$

$$4 + 3 + 2 + 6 =$$

- A. $7 + 8$
- B. $2 \times 4 + 4$
- C. $6 + 4 + 2$

Phil walks around a field 4 times.
The field is 2.1 miles.
About how many miles does Phil walk in all?

- A. 7
- B. 9
- C. 8

Tera buys 10 pencils for \$1.99.
About how much \$ does each pencil cost?

- A. \$1.00
- B. \$0.99
- C. \$0.20

$$\frac{y}{4} = 100$$
$$y = \underline{\quad}$$

- A. 25
- B. 100
- C. 400

Which goes from least to greatest?

- A. $\frac{1}{2}, \frac{1}{3}, \frac{1}{5}$
- B. $\frac{1}{5}, \frac{1}{3}, \frac{1}{2}$
- C. $\frac{1}{3}, \frac{1}{2}, \frac{1}{5}$

$$\frac{6}{7} + \frac{3}{7} = \underline{\quad}$$

- A. 2
- B. $\frac{2}{49}$
- C. $\frac{3}{7}$

Which goes from least to greatest?

- A. $\frac{7}{8}, 0.8, 0.87$
- B. $0.8, 0.87, \frac{7}{8}$
- C. $0.87, \frac{7}{8}, 0.8$

Math Numbers and Operations 6_3

Student Name: _____

Date: _____

$$3 \times 0.2 = \underline{\quad}$$

- A. 0.06
- B. 0.6
- C. 6

$$0.57 \times 4 = \underline{\quad}$$

- A. 2.50
- B. 2.28
- C. 3.57

$$\frac{7}{10} = \underline{\quad}$$

- A. 0.7
- B. 0.07
- C. 1.7

$$7(3 + 3 + 3) + 1 =$$

- A. $(7 \times 9) + 1$
- B. $(7 \times 3) + 6 + 1$
- C. $21 + 1$

Which shows the Identity Property?

- A. $2 + 7 = 7 + 2$
- B. $4 + 0 = 4$
- C. $6 + (4 + 8) = (6 + 8) + 4$

Ana runs 1.9 miles every day for 7 days.

About how far does she run in all?

- A. 7.9 miles
- B. 14 miles
- C. 26 miles

$$82.36 \times 100.0 = \underline{\quad}$$

- A. 4118
- B. 8236
- C. 8.326

Which value is least?

- A. 0.07
- B. 1.8
- C. 0.6

Math Numbers and Operations 6_4

Student Name: _____

Date: _____

$$\frac{5}{2} \times \frac{9}{11} = \underline{\quad}$$

- A. $\frac{59}{211}$
- B. $\frac{14}{13}$
- C. $\frac{45}{22}$

Which goes from least to greatest?

- A. 2.5 billion, 3.5 trillion, $\frac{1}{2}$ million
- B. $\frac{1}{2}$ million, 2.5 billion, 3.5 trillion
- C. 3.5 trillion, 2.5 billion, $\frac{1}{2}$ million

$$7 \times 0.5 = \underline{\quad}$$

- A. 10.5
- B. 35
- C. 3.5

Carlos plays drums for 1.5 hours a day.
How many hours does he play in 5 days?

- A. 1.3
- B. 6.5
- C. 7.5

Estimate:

$$\frac{1}{20} + \frac{1}{30}$$

- A. 1
- B. 0
- C. 50

$$8.2 + 2.0 = \underline{\quad}$$

- A. 16.4
- B. 4.1
- C. 40.1

$$4 \times (2 + 3) =$$

- A. (8×12)
- B. $(6 + 7)$
- C. $(8 + 12)$

$$\frac{5}{7} \text{ — } \frac{2}{3}$$

- A. =
- B. >
- C. <

Math Numbers Operations and Ratios 6_1

Student Name: _____

Date: _____

Fruit	Pounds	Cost
Apple	1	\$2.50
	2	\$5.00
	3	\$7.50
Cherry	1	\$3.00
	2	\$6.00
	3	\$9.00
Banana	1	\$2.00
	2	\$4.00
	3	\$6.00

Which fruit is most expensive?

- A. Cherries
- B. Apples
- C. Bananas

3 DVDs cost \$20.
Sam spends \$40 on DVDs.
How many DVDs does he get in all?

- A. 6
- B. 8
- C. 4

A cherry pie has 3 pounds of cherries.
How many pounds of cherries do 6 pies have?

- A. 18
- B. 36
- C. 9

Recipe
1 cup macaroni
 $\frac{1}{2}$ cup cheese
 $\frac{1}{8}$ cup butter

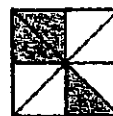
Bob makes 4 of this recipe.
How much macaroni does he use?

- A. 5 cups
- B. 4.5 cups
- C. 4 cups

Uri has 60 crayons and 12 markers.

crayons : markers =

- A. 12 : 2
- B. 5 : 1
- C. 6 : 10



You toss a coin onto this board.

What is the chance it lands on gray?

- A. $\frac{5}{8}$
- B. $\frac{3}{5}$
- C. $\frac{3}{8}$



You toss a 6-sided die.

What is the chance it lands on 4?

- A. 4 in 6
- B. 1 in 6
- C. 3 in 6

Jon can read 6 pages in 5 minutes.

How many pages can he read in 20 minutes?

- A. 30
- B. 24
- C. 13

Math Numbers Operations and Ratios 6_2

Student Name: _____

Date: _____

You have 7 apples and 8 oranges.
apples : oranges =

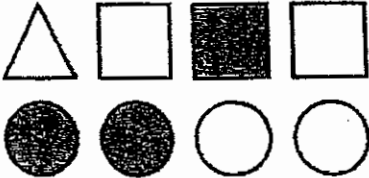
- A. 8 : 7
- B. 7 : 8
- C. 1 : 8

Wanda rides her bike 5 hours a week.
How many hours does she ride in 4 weeks?

- A. 9
- B. 28
- C. 20

Ken sees cars on a road.
He sees 120 cars pass in 3 minutes.
How many cars pass per minute?

- A. 40
- B. 50
- C. 80



Tali picks a shape.
What is the chance she picks a gray shape?

- A. $\frac{1}{2}$
- B. $\frac{3}{8}$
- C. $\frac{3}{4}$

15% of 200 = ____

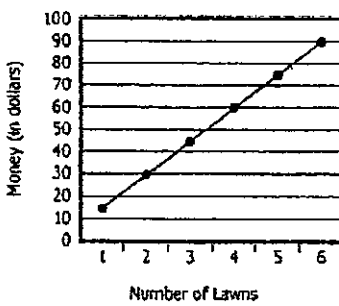
- A. 25
- B. 30
- C. 15

Jay rides 30 miles in 2 hours.

How many miles per hour (mph) does he ride?

- A. 15 mph
- B. 10 mph
- C. 20 mph

Money Julia Makes Mowing Lawns



How many lawns does Julia mow for \$75.00?

- A. 5
- B. 2
- C. 6

Jim is 50% as tall as a ladder.

The ladder is 12 feet tall.


How tall is Jim?

- A. 24 feet
- B. 6 feet
- C. 9 feet

Math Numbers Operations and Ratios 6_3

Student Name: _____

Date: _____



You toss a coin onto this board.
What is the chance it lands on gray?

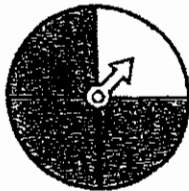
- A. $\frac{3}{4}$
- B. $\frac{4}{3}$
- C. $\frac{1}{2}$

Robert mows 1 lawn and makes \$15.
How much does he make for 3 lawns?

- A. \$45
- B. \$15
- C. \$60

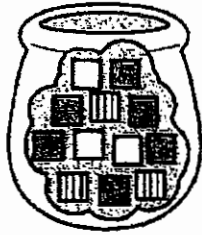
Nick has a box of 10 fruit snacks. 6 are cherry.
What is the chance that Nick will pick a cherry fruit snack?

- A. 6 in 10
- B. 1 in 10
- C. 10 in 6



What is the chance this spinner will land on a gray spot?

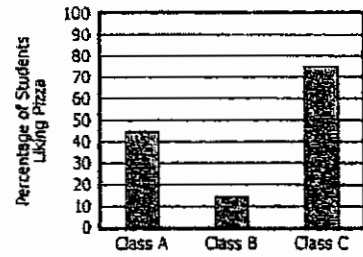
- A. 50%
- B. 100%
- C. 75%



What is the chance of picking a white square?

- A. 3 in 8
- B. 3 in 6
- C. 1 in 4

Percentage of Students Liking Pizza in 3 Classes



There are 100 students in Class C. How many like pizza?

- A. 75
- B. 65
- C. 50

Lexi can read 10 pages in 6 minutes.

How many pages can she read in 36 minutes?

- A. 60
- B. 16
- C. 30

5 coats cost \$200.00.

How much does 1 coat cost?

- A. \$1000.00
- B. \$50.00
- C. \$40.00

Math Numbers Operations and Ratios 6_4

Student Name: _____

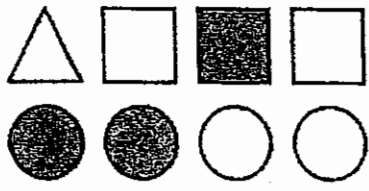
Date: _____

A shop sells 10 sandwiches per hour.
How many sandwiches does it sell in 4 hours?

- A. 14
- B. 40
- C. 16

Tom reads 6 books in a week.
How many books does Tom read in 4 weeks?

- A. 18
- B. 24
- C. 10



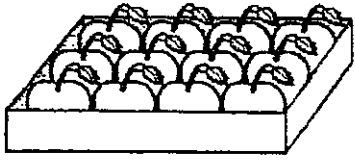
You pick one shape.

Which do you have the greatest chance to pick?

- A. square
- B. circle
- C. triangle

One rabbit eats 8 carrots every day.
How many carrots does a rabbit eat in 7 days?

- A. 56
- B. 15
- C. 40



3 friends share 12 apples equally.

What % does each friend get?

- A. 3%
- B. 25%
- C. 33%

An apple pie has 3 pounds of apples.

How many pounds of apples do 4 pies have?

- A. 6
- B. 7
- C. 12

A vet sees 1 cat for every 4 dogs.

She sees 6 cats.

How many dogs does she see?

- A. 20
- B. 4
- C. 24

A library has 290 books and 178 magazines.

books : magazines =

- A. 290 : 178
- B. 290 : 112
- C. 178 : 468

Math Algebra 6_1

Student Name: _____

Date: _____

$$\begin{aligned} a &= 5 \\ b &= 6 \\ a + b + 7 &= \underline{\quad} \end{aligned}$$

- A. 17
- B. 18
- C. 15

$$\begin{aligned} 6y &= 60 \\ y &= \underline{\quad} \end{aligned}$$

- A. 11
- B. 54
- C. 10

$$\begin{aligned} W &= 2 \\ Z &= 3 \\ (W \times Z) + W &= \underline{\quad} \end{aligned}$$

- A. 9
- B. 8
- C. 4

$$\begin{aligned} x - 67 &= 104 \\ x &= \underline{\quad} \end{aligned}$$

- A. 150
- B. 168
- C. 171

Emma's Earring Shop

Pairs	Cost
1	\$4.00
2	\$8.00
3	\$12.00
4	\$16.00
5	\$20.00
6	\$24.00
7	\$28.00

Which shows the cost (c) of pairs (p) of earrings?

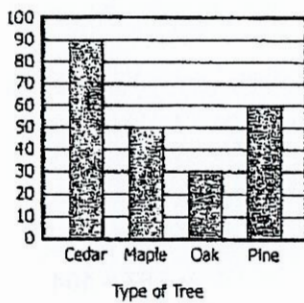
- A. $c = p + 4$
- B. $p = 4c$
- C. $c = 4p$

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

$$y = \underline{\quad}$$

- A. 10
- B. 16
- C. 6

Average Height of Trees



Which type of tree is half as tall as the pine?

- A. Maple
- B. Cedar
- C. Oak

$$3^2 + 4 =$$

- A. 3×7
- B. $9 + 4$
- C. 3^6

Math Algebra 6_2

Student Name: _____

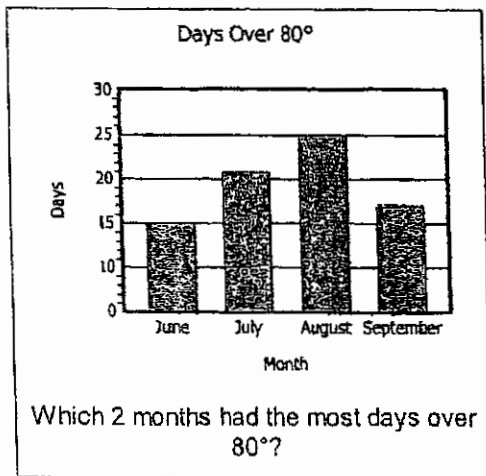
Date: _____

$$\begin{aligned} W &= 2 \\ Z &= 3 \\ Z - W &= \underline{\quad} \end{aligned}$$

- A. 3
- B. 1
- C. 2

$$\begin{aligned} 4 + y &= 19 \\ y &= \underline{\quad} \end{aligned}$$

- A. 15
- B. 16
- C. 23



- A. June and July
- B. August and September
- C. July and August

Kids in Schools

School	6th Grade	7th Grade	8th Grade
Washington	50	65	75
Jefferson	65	75	80
Madison	80	100	75

How many kids does Jefferson have in all 3 grades?

- A. 210
- B. 195
- C. 220

$$2(3x + 1)$$

- A. $6x + 2$
- B. $6x - 1$
- C. $5x + 2$

2 friends share (y) pies evenly.
How much pie does each friend get?

- A. $y - 2$
- B. $y \div 2$
- C. $y + 2$

$$W = 2$$

$$Z = 3$$

$$24 \div W + Z = \underline{\quad}$$

- A. 24
- B. 12
- C. 15

$$(1 + 3)2y =$$

- A. $4(2y)$
- B. $8 + y$
- C. $1 + 6y$

Math Algebra 6_3

Student Name: _____

Date: _____

$$41 + z = 81$$
$$z = \underline{\quad}$$

- A. 46
- B. 40
- C. 72

$$a = 2$$
$$b = 8$$
$$b \times a = \underline{\quad}$$

- A. 18
- B. 10
- C. 16

$$14 - 2 + (24 \div 3)$$

Which step is first?

- A. $2 + 3$
- B. $24 \div 3$
- C. $14 - 2$

$$3^4 =$$

- A. 3×4
- B. $3 \times 3 \times 3 \times 3$
- C. $3 + 3 + 3 + 3$

$$14 + 7y + 7y =$$

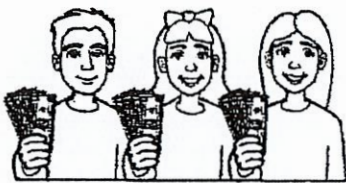
- A. $14 + 14y$
- B. $28y$
- C. $49y + 49y$

$$y = 4$$

$$p = 3$$

$$y \times p = \underline{\quad}$$

- A. 14
- B. 16
- C. 12



2 friends have \$12.

One friend has (y) dollars.

How much do they have in all?

- A. $12 + y$
- B. $12 - y$
- C. $12 \times y$

A = 2	F = 7	K = 12	P = 17
B = 3	G = 8	L = 13	Q = 18
C = 4	H = 9	M = 14	R = 19
D = 5	I = 10	N = 15	S = 20
E = 6	J = 11	O = 16	T = 21

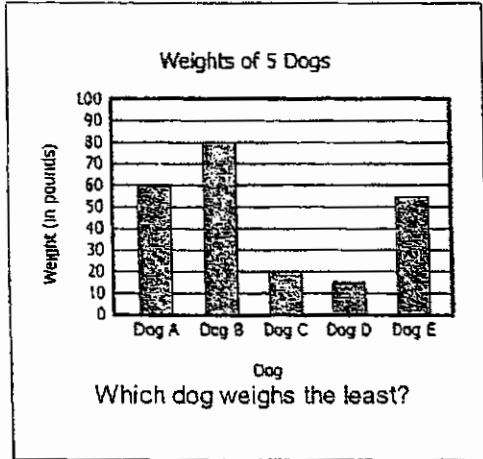
$$K \times I \times D = \underline{\quad}$$

- A. 538
- B. 240
- C. 600

Math Algebra 6_4

Student Name: _____

Date: _____



- A. Dog C
- B. Dog D
- C. Dog B

$a = 4$
 $b = 9$
 $a \times b = \underline{\quad}$

- A. 16
- B. 49
- C. 36

$3 \times 4 + 5 =$

- A. $7 + 5$
- B. $12 + 5$
- C. 3×9

$7 \times (5 + 1) =$

- A. $35 + 1$
- B. $7 + 5$
- C. 7×6

