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TEACHER GUIDE

STUDENT HANDOUTS

Number and Operations – Drill Sheets

Algebra – Drill Sheets

Geometry – Drill Sheets

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Warm-Up Drill Sheet # 2

NAME: _____

4a) Evaluate each expression.

Ex: 2(2 + 3) = 2(5) = 2 × 5 = 10

i) 2(4 + 6) =

ii) 5 + 2 × 6 =

iii) 36 ÷ (4 + 2) =

iv) 20 + 16 – 9 + 10 =

b) Evaluate these expressions.

Ex: 6 – a, where a = 2

6 – 2 = 4

i) a + 4, where a = 6

ii) 25 ÷ b, where b = 5

iii) 12c, where c = 3

iv) a ÷ b, where a = 8 and b = 2

v) 2(c + d), where c = 5 and d = 3

c) Simplify the following expressions.

Ex: –4z + 5z =

–4 + 5 = 1z

i) –2a + 3a – 2a =

ii) 17b – 3b =

iii) –5c – 3c – 1c =

iv) –s + 2s + 2 =

v) –7p + 4 – 3 + 6p =

Reflection

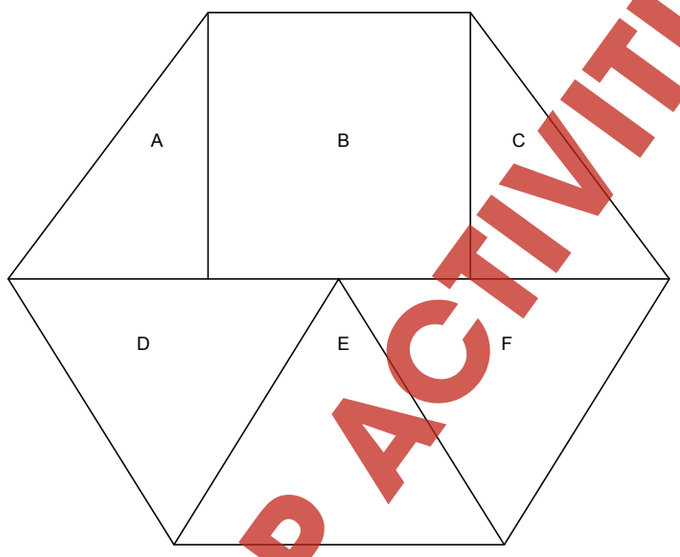
Collette can buy a soda for 0.75¢ and a bag of popcorn for 0.50¢ at the fall fair. If Collette can purchase **S** sodas and **P** bags of popcorn, then what is the meaning of the following equation?

S + P

Warm-Up Drill Sheet # 3

NAME: _____

7a) Using the tangram below, identify the following shapes by writing the correct letters in the space provided.



Ex: Square B

i) Triangles _____, _____, _____, _____, _____

ii) Trapezoids _____, _____

iii) Hexagon _____

iv) Rhombuses _____, _____

b) What other shapes can you make using the tangram above?

Explore with Technology

With the help of an adult, find other shapes that can be made by dividing and subdividing shapes.

Timed Drill Sheet # 6

NAME: _____

Minutes

9a) Round the following number to the nearest whole number. Ex: 72.6 = 73

i) 76.2 = ____ ii) 10.9 = ____ iii) 15.3 = ____

b) Use >, <, or = to compare the pairs of decimals below.

i) 0.14 ☐ 0.23 ii) 0.86 ☐ 0.69 iii) 0.09 ☐ 0.7

c) Write the following decimals in order from least to greatest.

i) 0.32, 0.09, 0.98, 0.65 _____

ii) 1.34, 1.05, 1.65, 0.90 _____

d) Add the following.

i) 3.7 + 2.1 = ☐

ii) 11.7 + 10.2 = ☐

iii) 75.21 + 31.86 = ☐

iv) 83.45 + 55.08 = ☐

e) Using the coins provided, calculate the correct change for the following.

i) Subtract 0.50¢. Change = ____. ii) Subtract a nickel, penny and a quarter. Change = ____.

Explore with Technology

A "cool" math website is **coolmath.com**. This site takes you step-by-step through different math operations and then gives you an opportunity to practice in some "cool" ways. *The Number Monster* is especially cool.

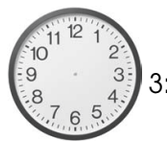
Timed Drill Sheet # 6

NAME: _____

Minutes

9a) Draw the hands on each clock below to show the time given.

Ex:  1:00

i)  3:00

ii)  12:30

iii)  6:30

iv)  5:20

v)  8:50

vi)  11:45

vii)  7:15

viii)  9:35

ix)  2:22

x)  4:45

xi)  10:10

xii)  6:15

xiii)  2:50

xiv)  8:20

Review Sheet

NAME: _____

Review A

a) Continue the pattern shown in the one hundred chart below.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

b) Find the missing numbers in the equivalent fractions below.

i) 1/5 = ____ /15 ii) ____ /3 = 6/9

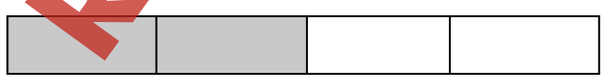
c) Multiply the following.

i) 0.78¢ × 7 ii) 0.99¢ × 3 iii) $2.65 × 4

d) Circle the larger fraction in each pair.

i) 1/2 or 1/3 ii) 1/5 or 4/5 iii) 7/10 or 1/2

e) What fraction does the shape represent?



= _____

NAME: _____

Review Sheet

Review B

a) Solve the following.

i) 20 – 6 = 12 + ____ ii) 11 + 7 = 8 + ____

iii) 50 – 10 = 19 + ____ iv) 50 – 35 = ____ + 10

b) Find each quotient.

i) 16 ÷ 4 = ii) –15 ÷ 3 = iii) 14 ÷ –7 =

c) On the number line below, circle a loss of $7.00.

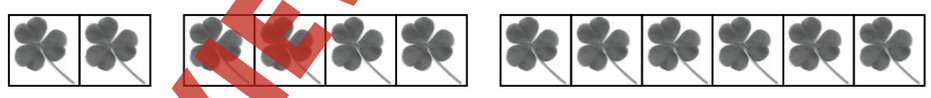
-9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9

d) Simplify these expressions.

i) –3a + 6a = ii) –5b + 9b – 12b =

iii) –2c + 4c + 3c = iv) 43d – (–20d) =

e) Consider the following pattern.



If the pattern continues in the same way, how many clovers will be in the fifth term? Answer: _____

f) Write the next numbers in the following patterns.

i) 120, 126, 132, ____, ____ ii) –21, ____, –29, –33, ____

Review Sheet

NAME: _____

Review A

a) The following numbers are placed in a bag. When choosing a number from the bag, what is the probability that the following will happen?

5 2 7 5 8
4 8 9 3 6

i) What numbers are you mostly likely to choose? _____

ii) What numbers are you least likely to choose? _____

iii) What is the ratio of 7's to 5's? _____

iv) How many odd numbers could be chosen? _____

v) How many even numbers could be chosen? _____

vi) What is the probability of choosing an odd number? _____

vii) What is the probability of choosing an even number? _____

viii) What numbers are less likely to be chosen than an 8? _____

ix) What numbers are more likely to be chosen than a 3? _____

x) What is the probability of choosing a two digit number? _____

xi) What is the probability of choosing a single digit number? _____

xii) What is the ratio of odd numbers to even numbers? _____

Reflection, Rotation, Translation and Enlargement

Describe the transformation (reflection, rotation, translation, and enlargement) needed to make the first shape look like the second shape.

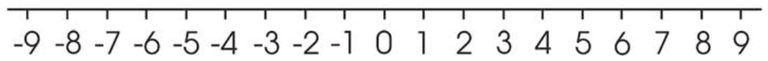
	Transformation		Transformation

NAME: _____

Timed Drill Sheet # 2

Minutes

3a) On the number line below, circle the number which indicates seven steps backward.

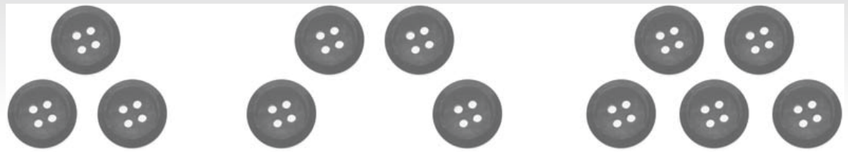


b) Solve the following.

i) 14 + 0 = _____ ii) 13 × 1 = _____ iii) 42 × 0 = _____

iv) 17 + 10 = _____ v) 12 ÷ 12 = _____ vi) 88 – 77 = _____

c) Consider the following pattern.



If the pattern continues in the same way, how many circles will be in the sixth term? Answer: _____

d) Write each of the following as an algebraic expression.

Ex: The sum of 2 and 6. 2 + 6

i) The difference of 12 and 10. _____

ii) ***a*** increased by 6. _____

iii) The product of ***b*** and 5. _____

e) Find each quotient. Ex: 6 ÷ 2 = 3

i) 12 ÷ 3 = ii) –18 ÷ 6 =

iii) 15 ÷ –3 = iv) 9 ÷ 3 =

EASY MARKING ANSWER KEY

3.

a)
–7 would be indicated.

b)
i) 14 ii) 13 iii) 0
iv) 27 v) 1 vi) 11

c)
8

d)
i) 12 – 10
ii) a + 6
iii) 5b or b × 5

e)
i) 4 ii) –3
iii) –5 iv) 3

4.

a)
i) 20 ii) 17
iii) 6 iv) 37

b)
i) 6 + 4 = 10
ii) 25 ÷ 5 = 5
iii) 12 × 3 = 36
iv) 8 ÷ 2 = 4
v) 2 (5 + 3) = 2 × 8 = 16

c)
i) –1a
ii) 14b iii) –9c
iv) 1s + 2 v) –1p +1

5.

a)
–6 would be indicated.

b)
77

c)
i) 1 ii) –11
iii) 8 iv) –1
v) –15 vi) 16

d)
i) b + a ii) c + 5

e)


f)
i) 18 ii) 56
iii) 12 iv) –4

6.

a)
Label 3 on the number line.

b)
i) a + (b + c)
ii) (de)f

c)
Answers will vary (i.e. 6 + 4 = 10, 6 – 4 = 2)

d)
i) –2 ii) –3 iii) –5
iv) –6 v) 2 vi) 19

e)
i) a = 0
ii) a = 24 iii) a = 4
iv) a = 6 v) a = 8