

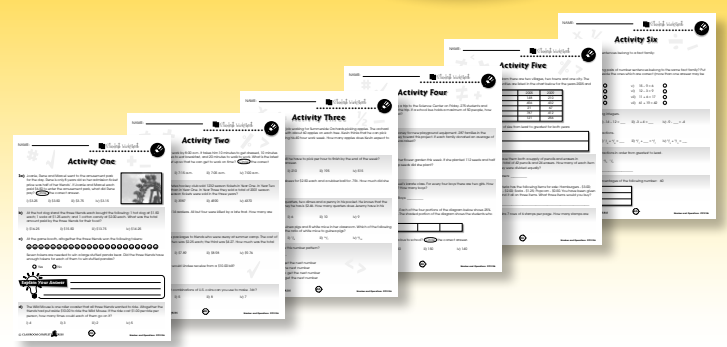
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Task Sheet 1

1a) You and three friends bought a carrot cake to eat for dessert. You have the task of dividing the cake equally among each of you. Show in the diagram on the right where you would cut the carrot cake.



b) Just before you make the cuts, one of your three friends changes her mind and decides she did not want a piece of cake. How would you cut up the carrot cake now?



c) The numerator in each of the models below is 1, but the denominator changes. Shade each of the diagrams to show $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{1}{5}$.

$\frac{1}{2}$	<input type="text"/>	$\frac{1}{3}$	<input type="text"/>
$\frac{1}{4}$	<input type="text"/>	$\frac{1}{5}$	<input type="text"/>

d) Describe how increasing the denominator changes the value of the fraction.



Task Sheet 6

6a) At lunchtime today at Jenna's school, one hundred students played in four different areas of the playground.

- 64% played either on the climbing apparatus or on the baseball diamond
- 20% played on the swings

How many students played on the basketball court? **(Circle)** the correct answer.

- i) 28 students ii) 24 students iii) 12 students iv) 16 students

b) The swing set is three times taller than Ralphie, who is 48 inches (122 cm) tall. How tall is the swing set?

- i) 144 inches (366 cm) ii) 96 inches (224 cm) iii) 100 inches (254 cm) iv) 110 inches (279 cm)

c) Jenna took a survey among the 25 students in her class to see what else they would like to see added to the school playground. This was the result:

- Maypole - 4
- Large slide - 12
- Running track - 8
- Hedge maze - 1

Explore With Technology

Use your calculator. If Jenna's findings stayed true for all 200 students in her school, how many students would have selected:

- Maypole
- Large slide
- Running track
- Hedge maze

Did at least one-half of the students support any one of these ideas?

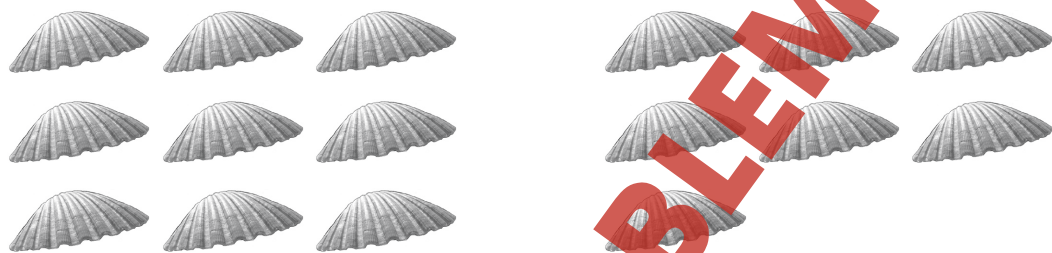
- Yes No

Explain Your Answer



Task Sheet 13

13. The Seashell Collection: Following the class's trip to the beach, many students in Ms. Clark's class started to collect seashells. On Monday Adrian and Karley brought their collections to school.



a) Write two mathematical sentences using these two groups of seashells.

b) If the two groups of seashells pictured above were added together, what would be:

- i) $\frac{1}{2}$ of the total? _____
 ii) $\frac{1}{4}$ of the total? _____
 iii) $\frac{1}{8}$ of the total? _____

c) If Robin added four more seashells to this collection, what fraction of the total collection belongs to her? **(Circle)** the correct answer.



- i) $\frac{1}{2}$ ii) $\frac{1}{4}$ iii) $\frac{1}{5}$ iv) $\frac{1}{6}$



Drill Sheet 1

a) For each pair of decimal numbers, **(circle)** the one which is LARGER.

- | | | | |
|-----------|------|------------|--------|
| i) 2.8 | 2.67 | vi) 18.8 | 18.676 |
| ii) 0.3 | 0.33 | vii) 0.1 | 0.02 |
| iii) 0.12 | 0.3 | viii) 4.67 | 4.8 |
| iv) 9.65 | 9.7 | ix) 0.9 | 0.899 |
| v) 0.672 | 0.8 | x) 67.99 | 67.00 |

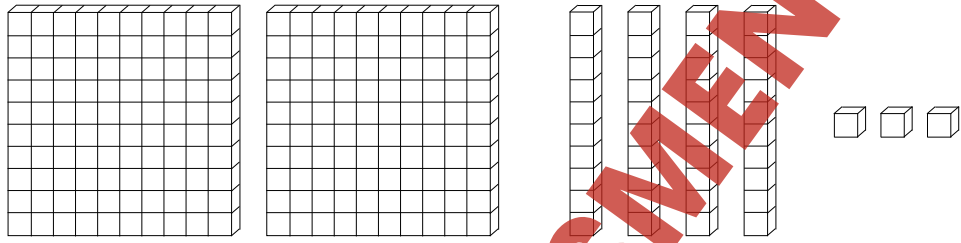
Place the correct number in each of the boxes in the following questions to make this number sentence correct.

- b) $75 - \square = 39$
 i) 36 ii) 42 iii) 26 iv) 51
- c) $7 \times 8 = \square$
 i) 42 ii) 49 iii) 56 iv) 58
- d) $64 - 35 = 14 + \square$
 i) 19 ii) 23 iii) 31 iv) 15



Drill Sheet 2

a) In the following model, \square represents 1.



What is the sum of the numbers represented by the above model? (Circle) the correct answer.

- i) 324 ii) 243 iii) 234 iv) 244

b) Hidden Numbers

- i) $6 \times \square = 48$ ii) $7 \times \square = 49$ iii) $8 \times \square = 64$ iv) $4 \times \square = 36$
 v) $42 \div \square = 7$ vi) $81 \div \square = 9$ vii) $14 \div \square = 2$ viii) $56 \div \square = 8$
 ix) $14 + 17 + \square = 55$ x) $78 - 51 + \square = 44$

c) In the place value chart below, what number is represented?

ten thousands ()	thousands M	hundreds Ø	tens II	ones ()
()	M		II II II	0000

- i) 20134 ii) 2134 iii) 21034 iv) 21314



Review A

a) A half-dozen fancy donuts costs \$3.60 at the local bakery. What would be the cost per donut? (Circle) the correct answer.

- A .60¢
 B .45¢
 C .90¢
 D .30¢

b) Replace each blank with the correct digit.

i) $\begin{array}{r} 3 \square \\ + 65 \\ \hline 96 \end{array}$ ii) $\begin{array}{r} 45 \\ + 1 \square \\ \hline 57 \end{array}$ iii) $\begin{array}{r} 6 \square \\ + 24 \\ \hline 86 \end{array}$ iv) $\begin{array}{r} 72 \\ - 3 \square \\ \hline 41 \end{array}$ v) $\begin{array}{r} 98 \\ - 7 \square \\ \hline 24 \end{array}$

c) The number \square is represented in the place value chart below.

ten thousands ()	thousands M	hundreds Ø	tens II	ones ()
	M M M M	Ø Ø	IIII	0000 000

d) A group of 27 Grade 2 students and 23 Grade 3 students go to the park. What is the total number of students in the group?

- i) 40 ii) 60 iii) 70 iv) 50

e) In the following number pattern Letitia is counting backwards by 100s. 764, 664, 564, _____, _____

What will the next two numbers be in her pattern?

- i) 864, 964 ii) 464, 364 iii) 364, 264 iv) 564, 664



Review B

a) Listed below is a number pattern showing how Karla's book collection grew over the last four months.

7, 13, 19, 25, ...

If Karla's book collection grows by the same number this month, how many will she have in total? (Circle) the correct answer.

- i) 31 ii) 29 iii) 30 iv) 32

How many books will she have the following month if the collection continues to grow by the same number?

- v) 41 vi) 36 vii) 37 viii) 43

b) Replace each blank with the correct digit.

i) $\begin{array}{r} 723 \\ + 14 \square \\ \hline 866 \end{array}$ ii) $\begin{array}{r} 916 \\ + 2 \square 2 \\ \hline 1158 \end{array}$ iii) $\begin{array}{r} 787 \\ - \square 62 \\ \hline 425 \end{array}$ iv) $\begin{array}{r} 85 \square \\ - 527 \\ \hline 331 \end{array}$ v) $\begin{array}{r} 677 \\ - 4 \square 2 \\ \hline 235 \end{array}$

c) Find the equivalent fractions for

- i) $\frac{1}{2} = \frac{\square}{4}$ ii) $\frac{3}{5} = \frac{\square}{10}$ iii) $\frac{6}{10} = \frac{\square}{5}$ iv) $\frac{4}{12} = \frac{\square}{3}$ v) $\frac{2}{7} = \frac{\square}{21}$

d) Emily is buying pens for school. The local store has packs of 3 pens for \$1.99 and packs of 10 pens for \$5.29. Which is the better buy?

Explain Your Answer

Writing Numbers, Pattern Table, Pattern Chart

a) What is the correct way to write the number _____ in words?

b) A pattern that increases when the same amount is added to each term is represented as follows:

Pattern Table	
Term Number	Term Value
1	
2	
3	
4	
5	

Which is the term number when the term value is _____?

c) Circle the number that is _____ more. Continue the pattern of adding _____ more.

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

NAME: _____



Task Sheet 3

3. Lemonade Stand

Kerri and April have decided to open a lemonade stand this summer beside Kerri's house. They will offer their customers three sizes of drink – small, medium, and large. Before setting a price for their product they must first calculate what their cost will be:



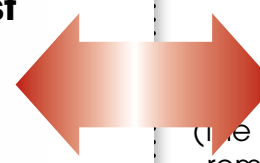
- 100 paper cups in 3 different sizes - \$5.00
- Lemonade mix (good for 10 large cups) - \$3.60

a) What is the girls' cost (including paper cup and mix) for a large cup of lemonade? **Circle** the correct answer.

- i) .41¢ ii) .39¢ iii) .45¢ iv) .30¢

b) If the medium-sized cup is 50% the size of the large cup, what would be their cost per medium cup of lemonade?

- i) .19¢ ii) .28¢ iii) .23¢ iv) .33¢



Explain Your Answer

EASY MARKING

c) If the small cup is 1/2 the size of the medium cup, what would be their cost per small cup of lemonade?

- i) .09¢ ii) .18¢ iii) .23¢ iv) .14¢

Explain Your Answer

3.

a) i) .41cents

4.

a) i) \$2.20

b) No - she only has \$3.45

10

5.

a) ii) 1/12

b) 2/8 and 1/3

c) iv) .14 cents

c) iii) 2/5

d) 2/16, 3/8, 1/2 and 3/4

9

11

12

7.

a) iii) 3/9

a) iv) 16 students

b) iv) 1/3

b) i) 144 inches (366 cm)

c) Hearts 3/8;
Diamonds 2/8;
Clubs 2/8;
Spades 1/8

c) No. The greatest number, 12/25, is less than half.

d) 5 of the faces would be colored.

13

