1. Join each pair of Mr. Ten's socks.

The numbers on each pair should make 10.















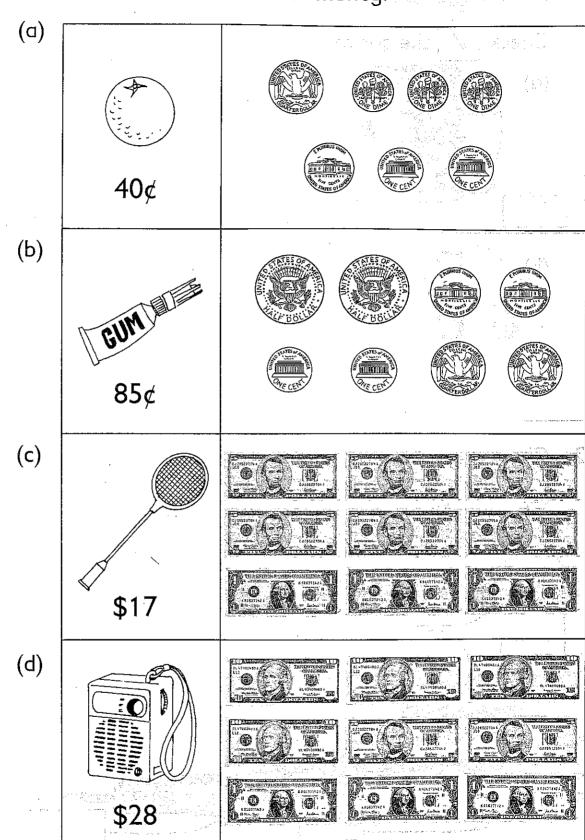








2. Color the correct amount of money.



\$52

332

1. Write the missing numbers.

1 × 3 = 3	3 ÷ 3 =
$2\times 3=6$	$6 \div 3 = \mathbb{Z}$
$\times 3 = 12$	12 ÷ 3 =
$2\times 3 = 15$	15 ÷ 3 = 5
$2\times 3=9$	$9 \div 3 = 3$
	30 ÷ 3 = 10
<u> </u>	4/////
$\boxed{\cancel{\cancel{}} \times 3 = 21}$	21 ÷ 3 =
$2 \times 3 = 27$	27 ÷ 3 =
	- Alllina
<u>6</u> × 3 = 18	18 ÷ 3 = 6
Name of the second seco	- //////x
$2 \times 3 = 24$	24 ÷ 3 = 8

3. Fill in the missing numbers.

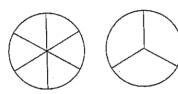
(c)
$$+ 63 = 100$$
 (d) 24 +

4. Add or subtract.

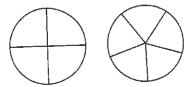
(a) 108 + 42 =	(b) 249 + 51 =
(c) 365 + 135 =	(d) 598 + 243 =
(e) 486 – 90 =	(f) 647 – 98 =
(g) 875 – 250 =	(h) 372 - 299 =

Color to show each pair of fractions.
 Then write greater than (>), less than (<) or equal to (=) in the blank.

(a)



(b)



6. Draw the minute hand on each clock face to show the time.



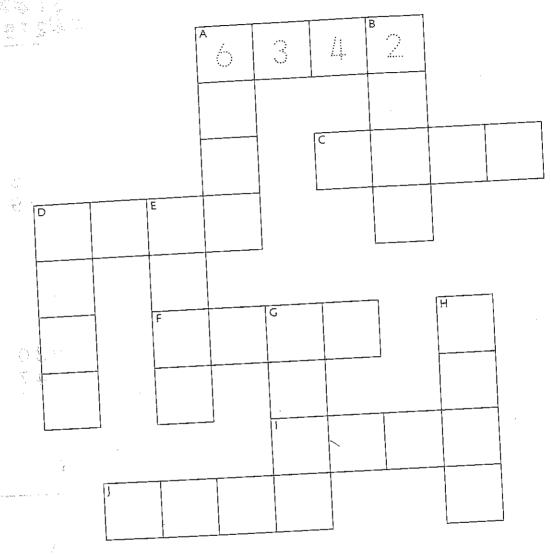
10 minutes past 4



15 minutes to 8

Grade 3-A

1. Subtract and write the answers in the boxes.



Across

- A. 9101 2759
- C. 8290 4986
- D. 6000 486
- F. 9400 6869
- I. 5102 897
- J. 6400 4439

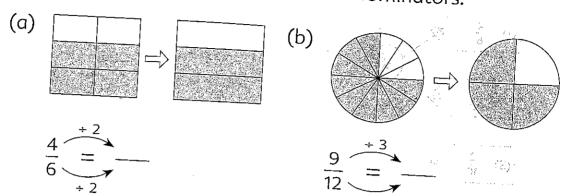
Down

- A. 7032 778
- B. 8070 5635
- D. 7968 2240
- E. 4005 2678
- G. 7533 4492
- H. 8144 485

ns.

EXERCISE 34 Grade 3-B

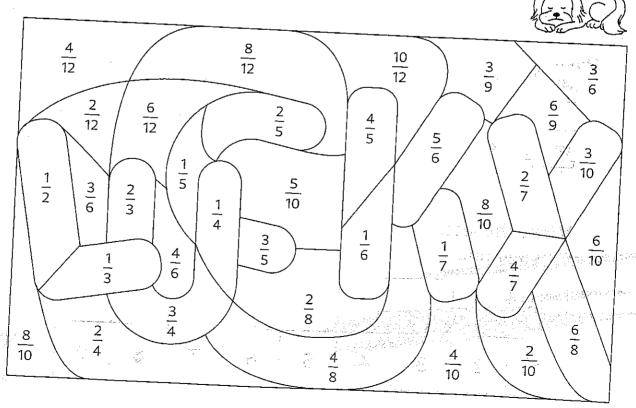
1. Write the missing numerators and denominators.



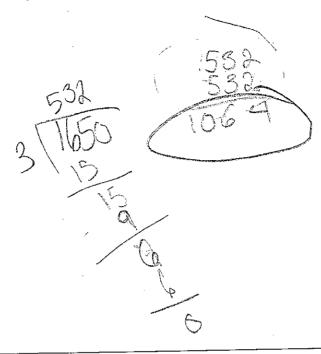
2. Write each fraction in its simplest form.

(a)
$$\frac{5}{10} =$$
 (b) $\frac{6}{9} =$ (c) $\frac{4}{12} =$

3. Color the spaces in which the fraction is in its simplest form. You will find the name of Simon's dog.



24. 1650 students took part in a parade.
There were twice as many boys as girls.
How many boys were there in the parade?

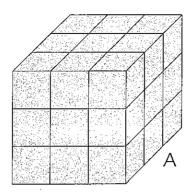


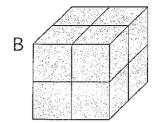
25. Mrs. Rowley bought a refrigerator.
She paid a down payment of \$160 and 8 monthly installments of \$95 each.
How much did she pay altogether?

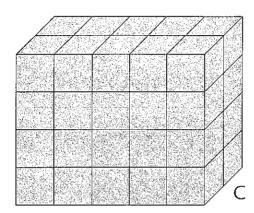
760

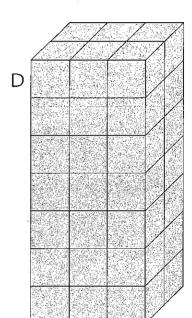
166

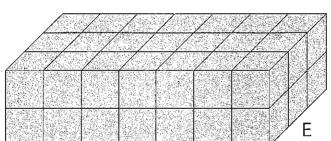
1. These solids are made up of 1-in. cubes.











Complete the following table.

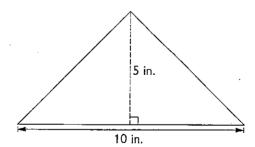
Solid	Length	Width	Height	Volume
A	3 in.	3 in.	3 in.	27 in. ³
В	4.	(%)	2	8 in.
C	7	5	4	40 in.
D	2	3		Hàin.
Е	3		2	Main

Grade 5-A

23. The ratio of Bill's money to Henry's money was 5 : 6. After Bill spent \$800 on a TV set, the ratio became 1 : 2. How much money did Henry have?

24. The area of the square is the same as the area of the triangle. Find the perimeter of the square.



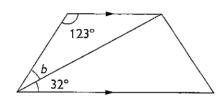


1. The following trapezoids are not drawn to scale. Find the unknown marked angles.

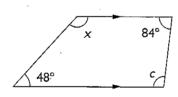
(a)



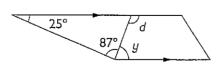
(b)



(c)



(d)

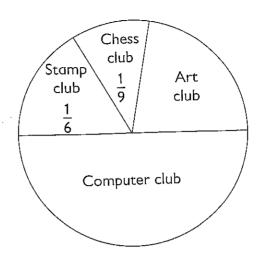


VS	9.	Mrs. Long bought a cake. She kept $\frac{1}{4}$ of it and divided t	he rest into
de de la companya de		2 equal parts. What fraction of a whole cake is each pa	
Îy		en de la companya de La companya de la co	
	10.	Tyler has 4 times as much money as Ryan. Find the rati	o of Ryan's
ı?		money to Tyler's money.	T LESS TO SERVE TO THE SERVE TON THE SERVE TO THE SERVE TO THE SERVE TO THE SERVE TO THE SERVE T
		All et ve we	
	11.	$\frac{2}{5}$ of the workers in a factory are females. Find the ratio	of the
		number of male workers to the number of female workers	ers.
			/
	12.	The ratio of Joe's weight to Colin's is 2:3. Colin's weight (a) Express Joe's weight as a fraction of Colin's weight.	nt is 36 kg.
1			
		(b) If Joe gains 3 kg, what will be the new ratio of Joe's Colin's?	weight to
	13.	Melissa mixed 400 g of cashew nuts with 600 g of peanu 1 kg of mixed nuts.	ts to make
		(a) Find the ratio of the weight of cashew nuts to the weight of cashew nu	Deposition in
		(b) If she wants to make 500 g of mixed nuts by mixing and peanuts in the same ratio, how many grams of	cashew nuts
		does she need?	
			man partition of the second
į	14.	What percentage of the circles are shaded?	
	,		178 A 178 A

Grade 6-B

TORREST OF THE

3. A group of 180 students were asked to choose the club they would like to join. The pie chart represents their choices.



(a)	What fraction	of the	students	chose	the	computer	club?
(u)	V V I I G C II G C C C C C C C C C C C C C						

(b)	What fraction of the students chose the art club?	

(c)	How many students chose the chess club?	

(e) How many more students chose the stamp club than the chess club?

	· ·
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	 _

Grade 6-B

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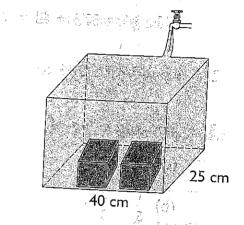
e,

4. An empty rectangular tank, 40 cm long and 25 cm wide, contains 2 metal cubes of edge 10 cm. The tank is being filled with water flowing from a tap at a rate of 10 liters per minute. If it takes 3 minutes to fill up the tank, find the height of the tank.

(1 liter = 1000 cm³)

30 cm

m



Grade 2- Intensive Practice Supplemental Book

Take the Challenge!

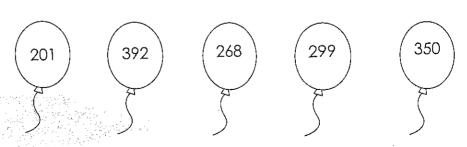
1. The numbers 1 to 1000 are placed in this order on a number chart.

Column A	Column B	Column C	Column D	Column E
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23		
	l _/			

Part of the chart is torn. Study the pattern. Which column does each of these numbers belong to?

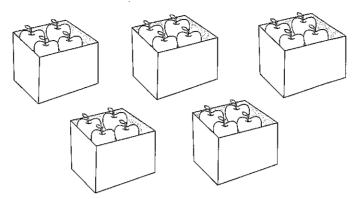
	423	571	162	850	209
Column:					

2. What number am !?I am more than 20 tens.I am less than 300.I am between 200 + 60 and 4 hundreds.Color the correct balloon.



Grade 2 - Intensive fractize

3. Look at the pictures. Fill in the blanks.



- (a) There are _____ boxes.
- (b) There are _____ apples in each box.
- (c) There are _____ apples altogether.
- (d) 5 fours = _____ groups of _____ = ____ × ____ = ___ + ____ + ____ + ____ + ____ + ____

4. Look at the pictures. Fill in the blanks.



- (a) There are _____ bags.
- (b) There are _____ carrots in each bag.
- (c) There are _____ carrots altogether.
- (d) 3 eights = _____ groups of _____ = ____ × ____ = ____ + ____ + ____ =

th water.

umber of

erest. He estimate

38. Find the value of

(a)
$$5 \times 9 + 56 \div 8 =$$

(b)
$$81 \div 9 - 5 + 7 =$$

(c)
$$16 + 64 \div 4 \times 7 =$$

(d)
$$12 \div 3 \times 8 - 30 + 2 =$$

(e)
$$3 \times 6 - 65 \div 5 =$$

(f)
$$34 - 7 \times 4 \div 14 =$$

(g)
$$100 - 7 \times 42 \div 3 + 12 =$$

(h)
$$17 + 54 \div 6 - 4 \times 5 =$$

39. Find the value of

(a)
$$6 \times (4+7) =$$

(b)
$$77 \div (23 - 12) =$$

(c)
$$(6 \times 7) \div 2 + 29 =$$

(d)
$$100 \div (17 + 3) - 5 =$$

(e)
$$(93-76) \times 2-18 \div 3 =$$

(f)
$$320 - (7 \times 30) \div 5 + 45 =$$

(g)
$$144 \div 12 \times (4+2) - 34 =$$

(h)
$$12 \times (15 - 8) \div 6 =$$

40. What is the missing number in each box?

(b)
$$720 -$$
 $\times 81 + 28 = 100$

41. I am thinking of some numbers. Examine the given clues and work backwards to find the numbers that I am thinking of.

- (a) If you add 6 to the number and then halve the result, you will get 8.
- (b) If you multiply the number by 9 and then add 3 to the result, you will get 75.
- (c) If you subtract 5 from the number and then double the result, you will get 40.
- (d) If you triple the number and subtract 4 from the result, you will get 80.

42. Insert the signs of operations to make each of the following number sentences correct.

Example: $(5+5-5) \div 5 = 1$

(a)
$$5 = 5$$
 5 5 5 = 25

Grade 5- Intensive Practice

Topic 5: Ratio

- 1. Weird Witch invited her friends for lunch and she decided to cook her favorite soup. This was the recipe for the soup serving 12 people:
 - 12 snake tails
 - 18 moldy carrots
 - 6 large rotten onions
 - 8 large green potatoes
 - cups of pond water mixed with mud, salt and pepper



Fill in the blanks.

(iii)

(iv)

Following the recipe to prepare the soup for 12 people, Weird Witch needed cups of pond water, (i) large rotten onions, (ii) moldy carrots, (iii) large green potatoes, (iv)snake tails. (v) 6 friends were coming for lunch. Weird Witch found that she had only 4 (b) potatoes that were green enough to be used. She would then need to change the recipe as follows: cups of pond water, (i) large rotten onions, (ii)

From the recipe, the ratio of the number of snake tails to the number of

moldy carrots,

cups of pond water to be used is _

snake tails.

Grade 2 - Word Problems Supplemental Book

WORKED EXAMPLE 3



Randy and Bob had the same number of grapes. Randy ate 21 of his grapes and Bob ate 29 of his grapes. How many more grapes did Randy have than Bob in the end?

To de la constitución de la cons			
	BEFOR	E	
	Randy [
	Bob [
	AFTER	? 21	The state of the s
	Randy	29	The state of the s
	Bob		
	À	29 - 21 = 8	
	Ran	ndy had 8 more grapes than Bob in the end.	
		The street of th	小人目

Practice Problems

Answer each question carefully. Show your work and statements clearly.

 Mandy bought 24 pens. She bought 11 more pens than Jane. How many pens did Jane buy?

2. Mrs. Smith prepared 380 meatballs for a party. If 60 meatballs were left after the party, how many meatballs were eaten during the party?

3. Susan made 415 paper birds and gave some of them away. If she had 300 paper birds left, how many paper birds did she give away?



19199 . . . 3

Grade 5- Word Problems

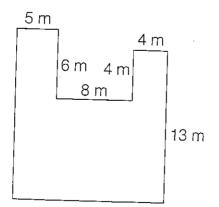
as a

10. A rectangular photo frame has a length of 24 cm and an area of 432 cm². In its center is a rectangular piece of photograph 3 cm away from its length and 2 cm away from its width. Find the area of the photo frame which is not covered by the photograph.

ırea.

11. Carlos is training for his 4.8 km run on a rectangular running track. If the running track measures 50 m wide and has an area of 7500 m², how many rounds around the track must he run?

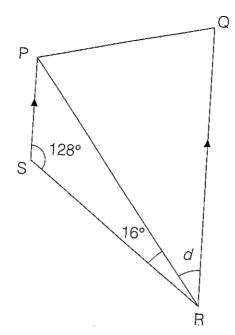
12. The figure below is made from three rectangles. Find its area.



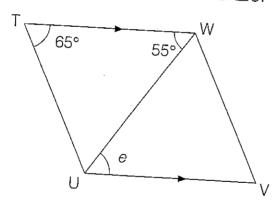
Grade 5 Word Problems

4. PQRS is a trapezoid. Find $\angle d$.

nd write ale.



5. TUVW is a trapezoid. Find $\angle e$.



6. WXYZ is a trapezoid. Find $\angle f$.

