

Monday maths - Project 14.
Week beginning: 13th July.

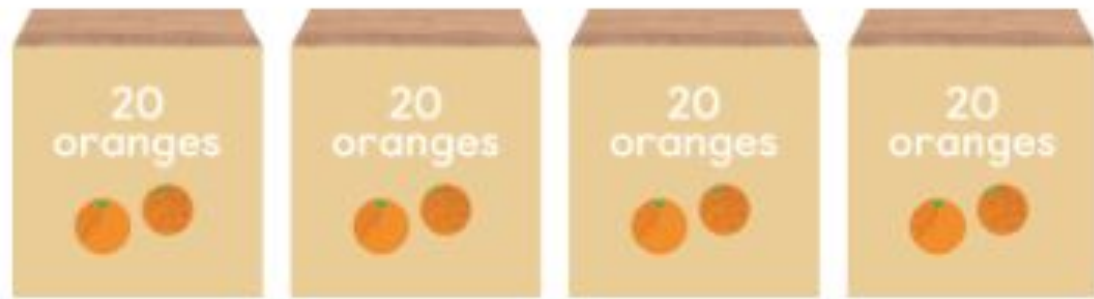
Watch this video on multiplying 2 digit numbers.

Step One:

$$\begin{array}{r} \times 25 \\ 3 \\ \hline \end{array}$$

Multiplying 2-Digit Numbers

In Focus



How many oranges are there in the 4 boxes altogether?

If there are 20 oranges in each box and there are 4 boxes, what does 4 lots of 20 equal?

Let's Learn

1

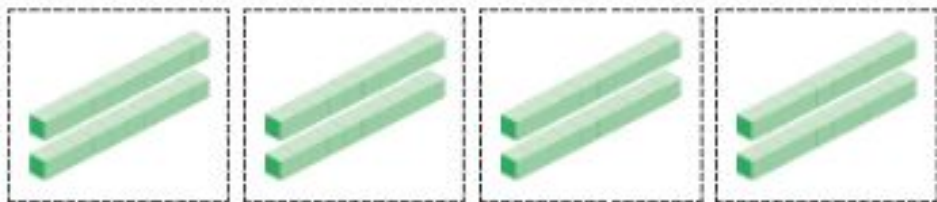


Multiply 2 ones by 4

$$2 \times 4 = 8$$

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

2



Multiply 2 tens by 4

$$20 \times 4 = 80$$

$$\begin{array}{r} \text{t} \quad \text{o} \\ 20 \\ \times 4 \\ \hline 80 \end{array}$$

There are 80 oranges in the 4 boxes altogether.

Guided Practice

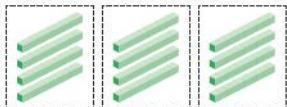
Multiply.

1 $3 \times 4 =$

$3 \times 40 =$



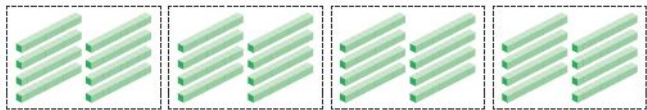
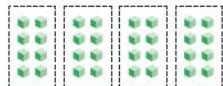
3×4 tens



2 $4 \times 8 =$

$4 \times 80 =$

4×8 tens



3 $3 \times 20 =$

$3 \times 40 =$

$3 \times 80 =$



What is 3×30 ?

Further Multiplication and Division

Chapter 4

Name: _____ Class: _____ Date: _____

Worksheet 1

Multiplying 2-Digit Numbers

1 Multiply.

(a) $2 \times 3 = \square$

$2 \times 30 = \square$



(c) $6 \times 8 = \square$

$60 \times 8 = \square$



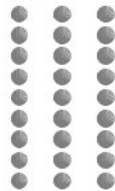
(b) $5 \times 4 = \square$

$5 \times 40 = \square$



(d) $9 \times 3 = \square$

$90 \times 3 = \square$



2 Multiply and fill in the blanks.

(a) $4 \times 30 = \square$

$4 \times 50 = \square$

$4 \times 70 = \square$

$4 \times 80 = \square$

$4 \times 100 = \square$

(b) $8 \times 20 = \square$

$8 \times 40 = \square$

$8 \times 60 = \square$

$8 \times 80 = \square$

$8 \times 90 = \square$

(c) $30 \times 3 = \square$

$30 \times 5 = \square$

$30 \times 7 = \square$

$30 \times 8 = \square$

$30 \times 10 = \square$

(d) $40 \times 3 = \square$

$40 \times 4 = \square$

$40 \times 6 = \square$

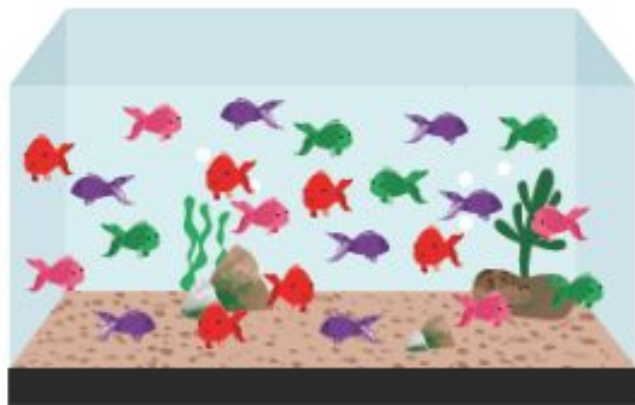
$40 \times 7 = \square$

$40 \times 9 = \square$


Multiplying with Regrouping

Lesson
4

In Focus



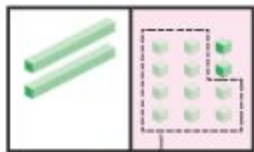
One tank has 23 fish.
How many fish are there in 4 tanks?

Use  to help you multiply.

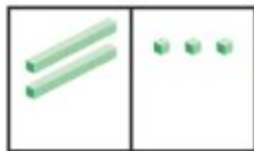


Let's Learn

- 1 There are 4 groups of 23 fish.
How do we multiply 23 by 4?

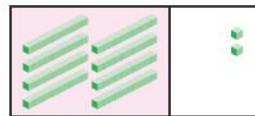


3 ones \times 4 = 12 ones
12 ones = 1 ten 2 ones



Step 1 Multiply the ones by 4.

$$\begin{array}{r} \text{t} \quad \text{o} \\ 2 \quad 3 \\ \times \quad 4 \\ \hline 1 \quad 2 \end{array}$$

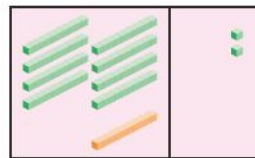


2 tens \times 4 = 8 tens



Step 2 Multiply the tens by 4.

$$\begin{array}{r} \text{t} \quad \text{o} \\ 2 \quad 3 \\ \times \quad 4 \\ \hline 1 \quad 2 \\ 8 \quad 0 \\ \hline \end{array}$$



12 + 80 = 92



Step 3 Add the products.

$$\begin{array}{r} \text{t} \quad \text{o} \\ 2 \quad 3 \\ \times \quad 4 \\ \hline 1 \quad 2 \\ + \quad 8 \quad 0 \\ \hline 9 \quad 2 \end{array}$$

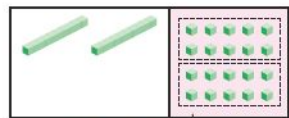
$$23 \times 4 = 92$$

There are 92 fish in 4 tanks.

2 Find the product of 25 and 4.

Method 1

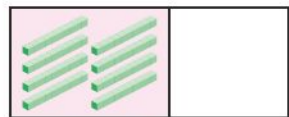
This is 25.



Step 1 Multiply the ones by 4.

	t	o
	2	5
x		4
	2	0

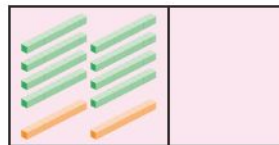
5 ones \times 4 = 20 ones
20 ones = 2 tens



Step 2 Multiply the tens by 4.

	t	o
	2	5
x		4
	2	0
	8	0

2 tens \times 4 = 8 tens



$$25 \times 4 = 100$$

Method 2

$$25 \times 4 = 100$$



25 + 25 = 50
50 + 50 = 100

Step 3 Add the products.

	h	t	o
		2	5
x			4
		2	0
+		8	0
	1	0	0



20 + 80 = 100

Guided Practice

1 Multiply.

(a) $18 \times 3 =$

		t	o
	18	1	8
x			3
		[]	[]
+		[]	[]
		[]	[]

(b) $34 \times 5 =$

		h	t	o
	34	3	4	
x			5	
		[]	[]	
+		[]	[]	
		[]	[]	

2 Find the product of

(a) 29 and 4

(b) 8 and 16

(c) 57 and 2

Name: _____ Class: _____ Date: _____

Worksheet 4

Multiplying with Regrouping

Multiply.

(a) $65 \times 2 = \square$

	h	t	o	
		6	5	
x			2	
<hr/>				
			□	□
+	□	□	□	
<hr/>				
	□	□	□	
<hr/>				

(b) $45 \times 3 = \square$

	h	t	o	
		4	5	
x			3	
<hr/>				
			□	□
+	□	□	□	
<hr/>				
	□	□	□	
<hr/>				

(c) $38 \times 4 = \square$

	h	t	o	
		3	8	
x			4	
<hr/>				
			□	□
+	□	□	□	
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	□	□	□	
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(d) $27 \times 8 = \square$

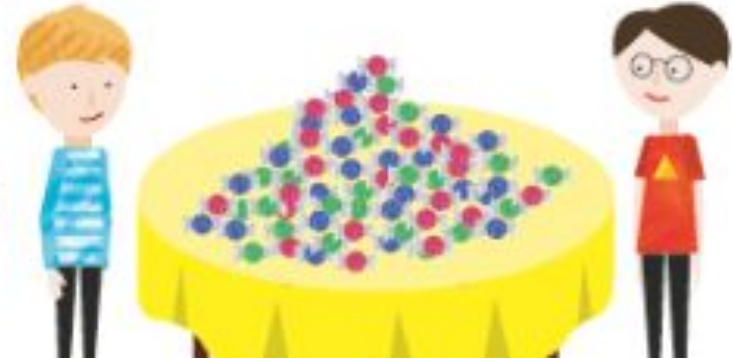
	h	t	o	
		2	7	
x			8	
<hr/>				
			□	□
+	□	□	□	
<hr/>				
	□	□	□	
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Simple Dividing

Lesson 6

In Focus

Sam and Charles share 68 sweets equally among themselves.
How many sweets will each person get?



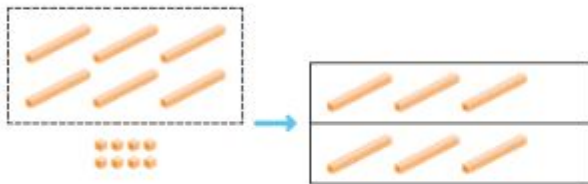
What does share mean? What operation is needed?

Let's Learn

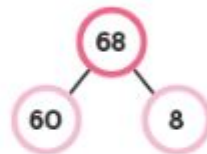
To find the number of sweets each person gets, divide 68 by 2.

$$68 \div 2 = \square$$

Step 1 Divide 6 tens by 2.



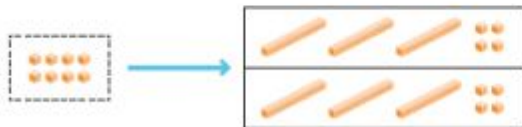
$$6 \text{ tens} \div 2 \\ = 3 \text{ tens}$$



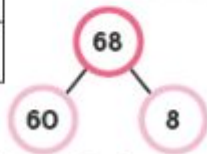
$$6 \text{ tens} \div 2$$



Step 2 Divide 8 ones by 2.



$$8 \text{ ones} \div 2 \\ = 4 \text{ ones}$$



$$6 \text{ tens} \div 2 \quad 8 \text{ ones} \div 2$$



Step 3 Add the results.

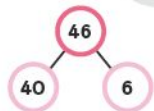
$$68 \div 2 = 30 + 4 = 34$$

Each person gets 34 sweets.

Guided Practice

Divide.

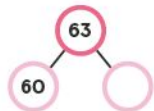
(a) $46 \div 2 =$



Use to help you.

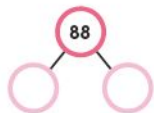


(b) $63 \div 3 =$



(c) $88 \div 4 =$

$88 \div 8 =$



(d) $69 \div 3 =$

Complete Worksheet 6 • Page 122

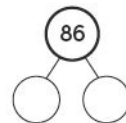
Name: _____ Class: _____ Date: _____

Worksheet 6

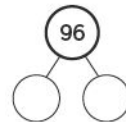
Dividing 2-Digit Numbers

Divide.

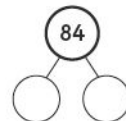
(a) $86 \div 2 =$ +
=



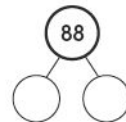
(b) $96 \div 3 =$ +
=



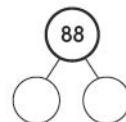
(c) $84 \div 4 =$ +
=



(d) $88 \div 8 =$ +
=



(e) $88 \div 2 =$ +
=



Dividing with Regrouping

Lesson 7

In Focus

A shopkeeper has 52 Ice creams.
She packs them equally into 4 boxes.
How many Ice creams are there in each box?

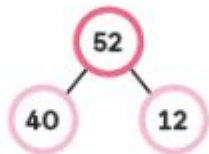


Let's Learn

To find the number of ice creams in each box, divide 52 by 4.

$$52 \div 4 = \square$$

Step 1 Split 52 into 40 and 12.



Step 2 Divide the tens by 4.



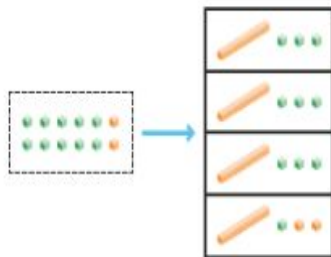
4 tens \div 4 = 1 ten



Step 3 Regroup 1 ten into 10 ones.



Step 4 Divide the ones by 4.



Step 5 Add the results.


$$52 \div 4 = 10 + 3 = 13$$

There are 13 ice creams in each box.



12 ones \div 4 = 3 ones

Guided Practice

Use  to help you.

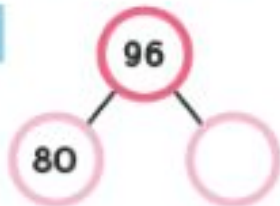


Divide.

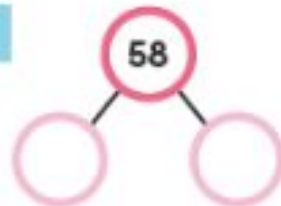
(a) $54 \div 3 =$



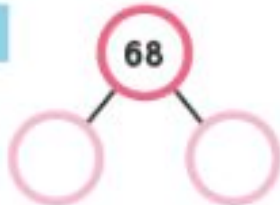
(b) $96 \div 8 =$



(d) $58 \div 2 =$



(c) $68 \div 4 =$

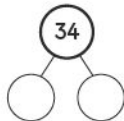


(e) $84 \div 3 =$

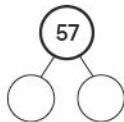
Worksheet 7**Dividing with Regrouping**

Divide.

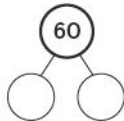
$$\begin{aligned} \text{(a)} \quad 34 \div 2 &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$



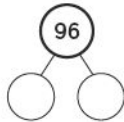
$$\begin{aligned} \text{(b)} \quad 57 \div 3 &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$



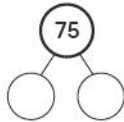
$$\begin{aligned} \text{(c)} \quad 60 \div 4 &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$



$$\begin{aligned} \text{(d)} \quad 96 \div 8 &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$



$$\begin{aligned} \text{(e)} \quad 75 \div 3 &= \boxed{} + \boxed{} \\ &= \boxed{} \end{aligned}$$



Friday maths.

Name: _____ Class: _____ Date: _____

Review 4

1 Fill in the blanks.

(a) $24 \times 3 = \square + \square + \square = \square$

(b) $74 \div 2 = \square + \square = \square$

(c) $4 \times 37 = 4 \times \square + 4 \times \square = \square$

(d) $83 \times 8 = \square \times 8 + \square \times 8 = \square$

2 Match.

68×2 ●

$96 \div 3$ ●

55×8 ●

4×30 ●

$96 \div 8$ ●

$65 \div 5$ ●

● 136

● 13

● 120

● 32

● 440

● 12

3 Multiply.

(a) $86 \times 2 = \square$

$$\begin{array}{r} 86 \\ \times 2 \\ \hline \square \square \square \\ \hline \end{array}$$

(b) $57 \times 3 = \square$

$$\begin{array}{r} 57 \\ \times 3 \\ \hline \square \square \square \\ \hline \end{array}$$

(c) $64 \times 4 = \square$

$$\begin{array}{r} 64 \\ \times 4 \\ \hline \square \square \square \\ \hline \end{array}$$

(d) $43 \times 8 = \square$

$$\begin{array}{r} 43 \\ \times 8 \\ \hline \square \square \square \\ \hline \end{array}$$

4 Divide.

(a) $96 \div 2 = \square$

Work

(b) $78 \div 3 = \square$

Work

5 There are 85 yellow, blue and red files in a cabinet.
There are twice as many yellow files as blue files.
There are 3 more blue files than red files.
How many red files are there?

6 Hannah has 36 stickers.
Lulu has 4 times as many stickers as Hannah.
How many stickers do both girls have altogether?

7 Ravi has 51 coins.
He has 3 times as many coins as Sam.
How many coins do both the boys have?

8 There are 54 goldfish and guppies in an aquarium.
There are 16 more goldfish than guppies in the aquarium.
How many goldfish are there?

Revision 1

1 Fill in the blanks.

- (a) Look at the picture.
Make a family of addition and subtraction facts.



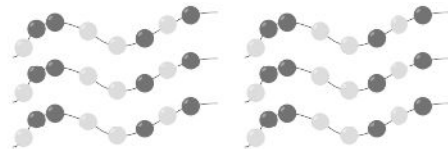
$$\square + \square = \square$$

$$\square - \square = \square$$

$$\square + \square = \square$$

$$\square - \square = \square$$

- (b) Look at the picture.
Make a family of multiplication and division facts.



$$\square \times \square = \square$$

$$\square \div \square = \square$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$