ORIGO STEPPINC STORES SAMPLE PAGES



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STUDENT JOURNAL

Step In Counting in Steps of Two, Five and Ten

Colour green the numbers you say when you start at IO and count in steps of ten.

What do you notice?

Colour blue the numbers you say when you start at 5 and count in steps of five.

What patterns do you see?

Colour red the numbers you say when you start at 2 and count in steps of two.



I	2	3	4	5	6	7	8	9	10
Ш	12	13	4	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	կկ	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

What do you notice?

Look at the numbers that show all three colours.

What do you know about these numbers?

Step Up

Use this number chart to answer Questions I and 2 on page 57.

101	102	103	104	105	106	107	108	109	110
	112	113	4	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
4	142	143	Լգե	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160

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- I. a. Start at IIO and count in steps of ten. Colour yellow the numbers you say.
 - **b.** Start at 105 and count in steps of five. Colour green the numbers you say.
 - **c.** Write in order the numbers you said when you counted in steps of both ten and five.
- **2. a.** Start at IO2 and count in steps of two. Colour red the numbers you say. **b.** What do you notice about these numbers?



- **a.** Colour blue the numbers you say when you start at 5 and count in steps of five.
- **b.** Colour red the numbers you say when you start at 2 and count in steps of two.
- c. Colour green the numbers you say when you start at IO and count in steps of ten.



Step In Revising Multiplication Concepts



I packed 3 stacks of boxes. There were 8 boxes in each stack. How many boxes did I pack?

Use cubes to help work out the answer. Write an addition sentence to match your cubes.

How does your addition sentence relate to the story problem?

Write a multiplication sentence to match your cubes.

The symbol for multiplication is **x**.

How does your multiplication sentence relate to the story problem?

Step Up

Ι.

Draw a picture to help solve each problem. Then write the matching multiplication sentence.

 a. Each container holds 3 tennis balls. How many tennis balls will fill 4 containers? 	 b. Each car needs 5 tyres. How many tyres are needed for 4 cars? 		
× = balls	× = tyres		





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2. Write the twos fact that matches each array. Then write the turnaround fact.



3. Draw a line to match each multiplication sentence with its turnaround below. Then write the answers.



Step Ahead Write the

Write the missing numbers.



Step In > Reinforcing the Twos Multiplication Facts





Х

=

× =

Step In Doubling and Halving Multiples of IO and 5

What do you know about doubling and halving that involves the number 20?



I know that two 20c coins is equal to 40c, so half of 40 must be 20.



How could you work out double 15?

15 is the same as 1 ten and 5 ones. Double 10 is 20, double 5 is 10.



How could you work out half of 50?



1 think of sharing 5 tens blocks. 1 can put 2 tens in each group but 1'd need to split the last block to share it equally.

	N

Jasmine drew this picture to show what she knew about doubling and halving.

What does it tell you?

What other numbers could you use in the picture? How do you know?



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Step Up

I. Complete these sentences.



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С

bananas





Heena has five IO-cent coins. Noah has ten 5-cent coins. Does Noah have more money than Heena? Explain your answer.

Step In Introducing the Fives Multiplication Facts

Look at this array and the number sentences. How could you work out the products?



How is this array different from the one above?

How could you work out the products of these number sentences?





I halved the product in the tens fact. 10 fours is 40 so 5 fours is half of that.

I counted in steps of 5.

Use a halving strategy to work out 6×5 . You can draw an array to help.







Step In Reinforcing the Tens and Fives Multiplication Facts



2. Draw 5c coins to match the price tag. Then write a matching number sentence.



3. Write the missing number in each number sentence.



4. Write a number sentence to match each story.

a. Jacob has a set of 10 toy cars.
The total length of all the cars laid end to end is 70 cm. Each car is 7 cm long.

 \times

Ella had 30 stickers to pack into bags. She put 5 stickers in each bag. When she finished she had 6 bags of stickers.

=

 \times

Step Ahead These IN numbers are multiplied by 10 and then halved before they come OUT. Write the missing numbers.

Step In Adding Coin Values

How many IO-cent coins can you trade for 20 cents? How do you know?

How many 5-cent coins can you trade for 20 cents? How many 5-cent coins can you trade for 50 cents?

Look at this coin.

How many 20-cent coins can be traded for one dollar? How many 20-cent coins make 40 cents? How many make 80 cents?

Look at this coin. What coin is it?

What is its value in dollars? How many IO-cent coins could you trade for one dollar? How do you know? How many 5-cent coins could you trade for one dollar?

Step Up I. Wri

I. Write the missing numbers.



5		10
20	10	5

10









b.

Step In Reading and Recording Dollars and Cents

How could you work out the value of these coins? What helps you work out the total quickly?

How could you work out the value of these coins in dollars and cents?

What do you know about this coin?

Ι.

How many cents is it worth? How do you know? What coins can be traded for two dollars?

Step Up

Loop together coins that show whole dollars. Then complete the sentences.

2. Loop together coins that show whole dollars and add to whole dollars. Then complete the sentences.

Step In Constructing a Vertical Column Graph

Hannah would like to know the seasons in which her classmates were born. She knows some of the months in each season.

Write the missing months and season.

Season		Months		
Summer	December		February	Marc Care
Autumn		April	May	
			August	What question should she ask her classmates?
Spring	September	October		

Step Up

- I. Write the season in which you were born.
- 2. Ask each student in your class to name the season in which they were born. Record the results in this tally chart.

S	eason	Tally	Total
3. a. Most st	udents were born i	n	
b. The fev	vest number of stuc	lents were born in	
c	students in total	were born in Summer and Autumn.	
d. What is	the total of studen	ts born in Winter and Spring?	

4. Complete this column graph to show your results from Question 2.

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Interpreting and Constructing a Horizontal Column Graph

Owen asked his classmates to vote for their favourite type of music. This column graph shows the results.

Each student voted once.

How many students voted for each type of music?

Which type of music was most popular?

How many more students voted for Hip Hop than Country? How do you know?

How many students voted altogether? How do you know?

If your classmates voted for their favourite music, what do you think the results would look like?

Step Up

Step In

I. Ask each student in your class to vote for their favourite type of music. Record the results in this tally chart.

Type of music	Tally	Total
Нір Нор		
Рор		
Rock		
Country		
Classical		

2. Show your results from Question I on this column graph.

b. Is this different from the music that you listen to?

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