Divide 2-Digits by 1-Digit

To divide a 2-digit number by a 1-digit number.

1) Solve the division calculations. Use the place value charts and complete the part-whole models to help you.

a) 66 ÷ 3 = ☐

Tens	Ones
10 10	1 1
10 10	1 1
10 10	1 1

66 ÷ 3

60 ÷ 3 = ☐

6 ÷ 3 = ☐

b) 84 ÷ 4 = ☐

Tens	Ones
10 10	1
10 10	1
10 10	1
10 10	1

84 ÷ 4

80 ÷ 4 = ☐

4 ÷ 4 = ☐

c) 39 ÷ 3 = ☐

Tens	Ones
10	1 1 1
10	1 1 1
10	1 1 1

39 ÷ 3

30 ÷ 3 = ☐

9 ÷ 3 = ☐

d) 48 ÷ 4 = ☐

Tens	Ones
10	1 1
10	1 1
10	1 1
10	1 1

48 ÷ 4

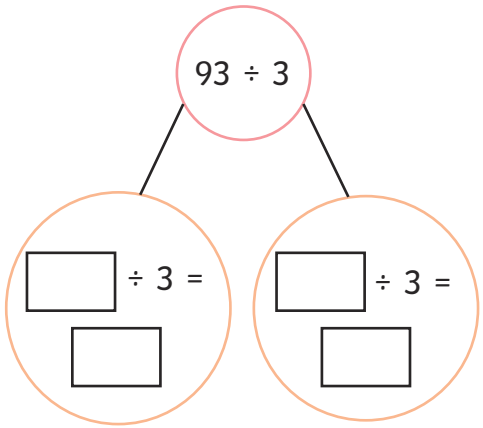
40 ÷ 4 = ☐

8 ÷ 4 = ☐

2) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

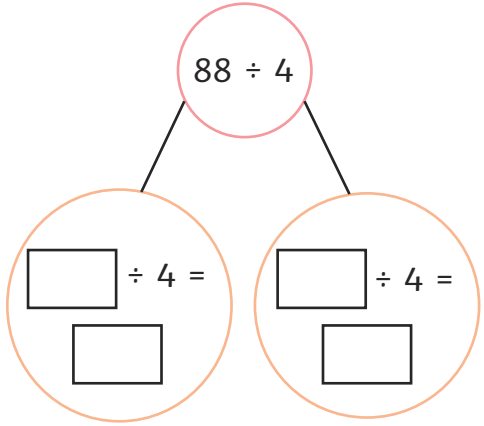
a) 93 ÷ 3 = ☐

Tens	Ones

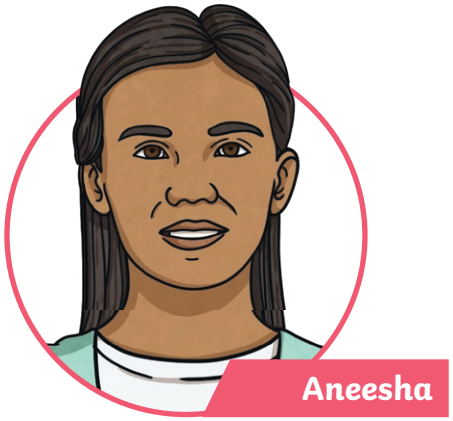


b) 88 ÷ 4 = ☐

Tens	Ones

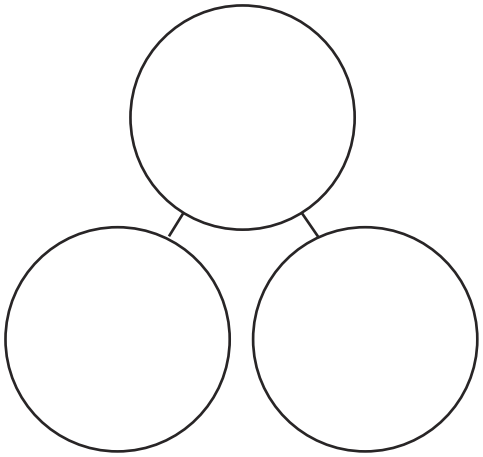


3) Aneesha has used place value counters to solve a division calculation. Complete the part-whole model and find the answer.



☐ ÷ ☐ = ☐

Tens	Ones
10 10	1 1 1
10 10	1 1 1
10 10	1 1 1



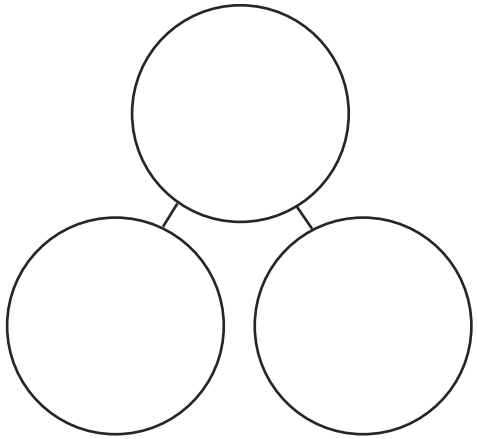
Divide 2-Digits by 1-Digit

To divide a 2-digit number by a 1-digit number.

1) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

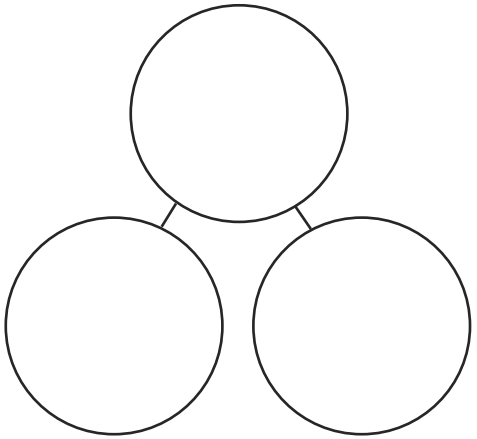
a) 72 ÷ 3 = ☐

Tens	Ones



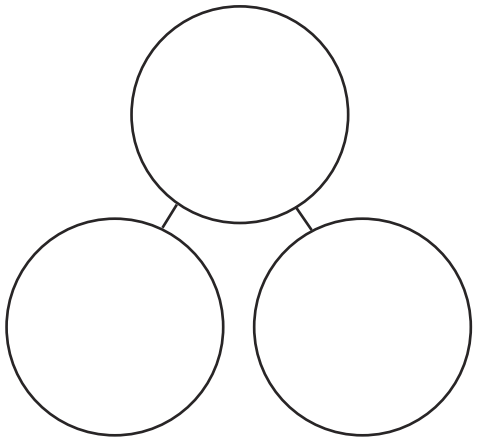
b) 64 ÷ 4 = ☐

Tens	Ones



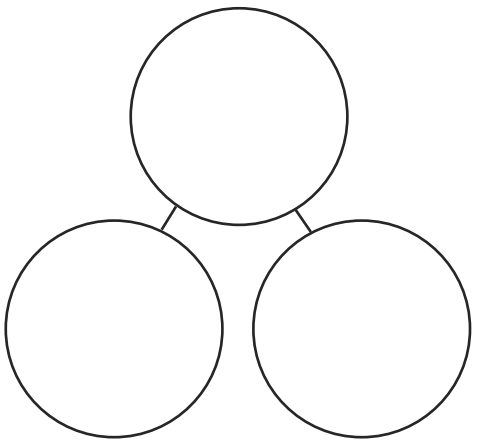
c) 99 ÷ 3 = ☐

Tens	Ones



d) 96 ÷ 4 = ☐

Tens	Ones

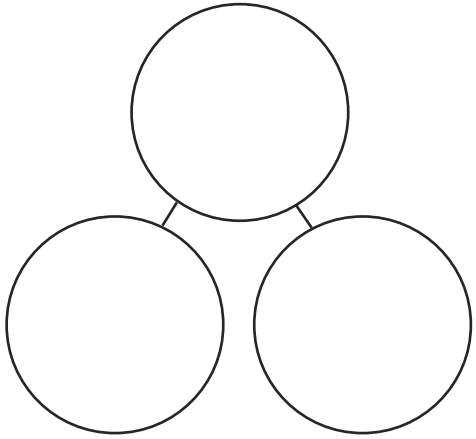


2) Solve the word problems, using the place value chart and part-whole model to help you.

a) A pizza parlour sells 52 pizzas across four days.
How many pizzas did they sell each day?

☐ ÷ ☐ = ☐

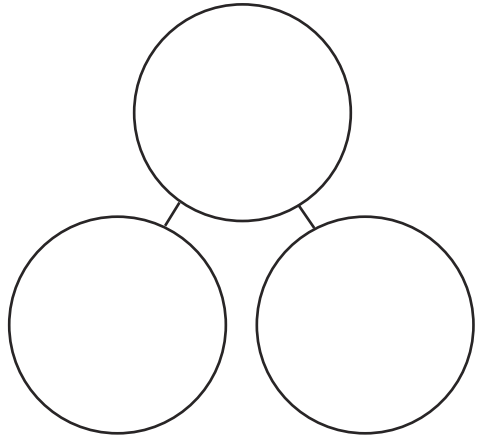
Tens	Ones



b) 84 children are going to eat lunch in the hall. 6 children can fit around one table. How many tables will need to be put out?

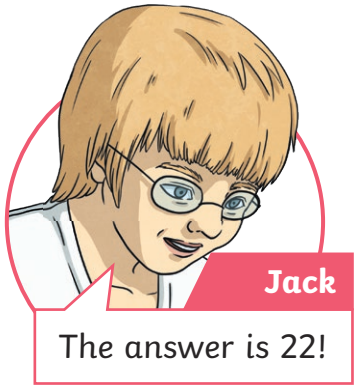
☐ ÷ ☐ = ☐

Tens	Ones



3) Jack is using a place value chart to solve 45 ÷ 3.

Do you agree with Jack's answer? Explain any errors he has made.



Tens	Ones
10 10	1 1
10	1 1
10	1

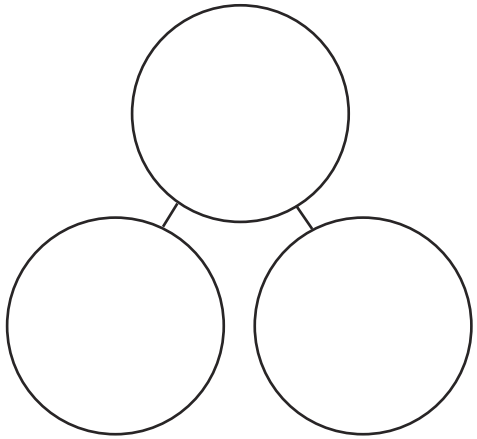
Divide 2-Digits by 1-Digit

To divide a 2-digit number by a 1-digit number.

1) Solve the division calculations, by drawing the counters and completing the place value charts.

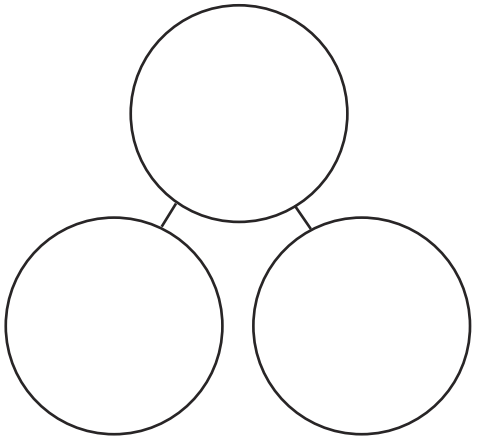
a) 78 ÷ 6 = ☐

Tens	Ones



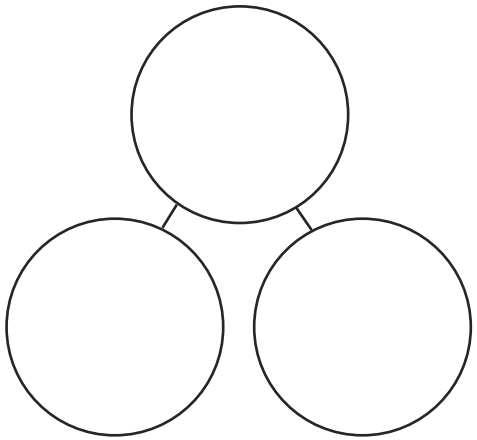
b) 98 ÷ 7 = ☐

Tens	Ones



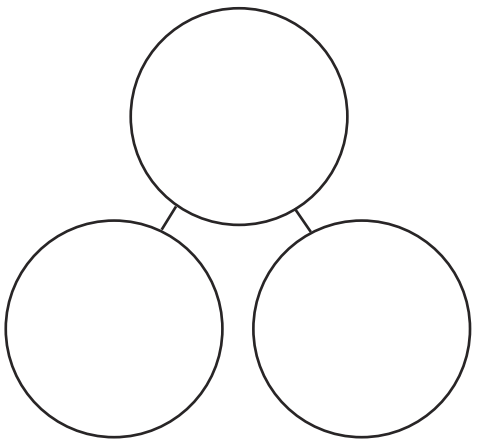
c) 85 ÷ 5 = ☐

Tens	Ones



d) 52 ÷ 4 = ☐

Tens	Ones

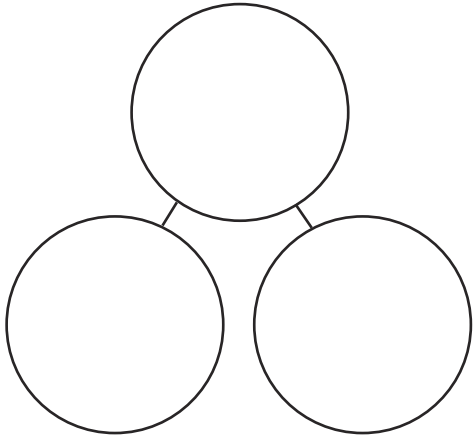


2) Solve the word problems. You may wish to use the place value charts and part-whole models to help.

a) An ice cream parlour serves ice cream sundaes. They use 7 scoops of ice cream in each sundae. In one day, they use 91 scoops of ice cream to make sundaes. How many sundaes did they make?

☐ ÷ ☐ = ☐

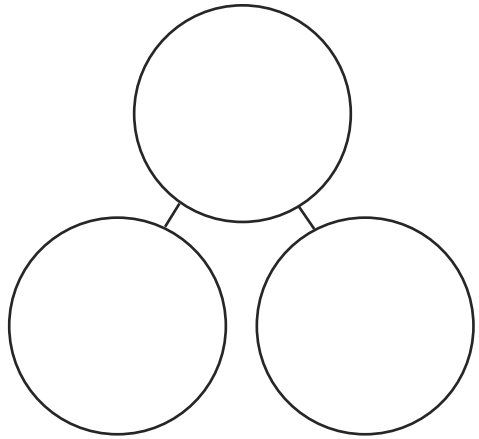
Tens	Ones



b) 90 children take part in a rugby tournament. They are playing in teams of 6. How many teams are at the tournament?

☐ ÷ ☐ = ☐

Tens	Ones



3) Jack spots a pattern to help him quickly work out related division facts.

Can you explain the pattern that Jack has spotted and how it works?

Jack

I know that 88 ÷ 4 = 22.
I used this fact to work out that 88 ÷ 8 = 11 and 88 ÷ 2 = 44.

4) Complete the number statements with < , > or =.

45 ÷ 3 ◯ 56 ÷ 4

84 ÷ 6 ◯ 98 ÷ 7

96 ÷ 4 ◯ 93 ÷ 3

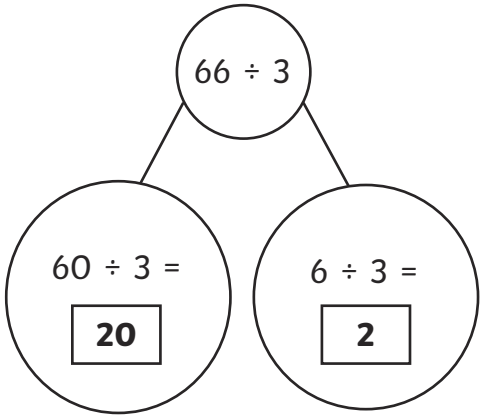
90 ÷ 5 ◯ 84 ÷ 6

Divide 2-Digits by 1-Digit **Answers**

1) Solve the division calculations. Use the place value charts and complete the part-whole models to help you.

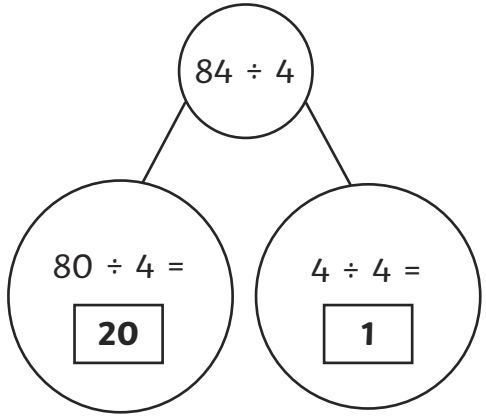
a) 66 ÷ 3 = **22**

Tens	Ones
10 10	1 1
10 10	1 1
10 10	1 1



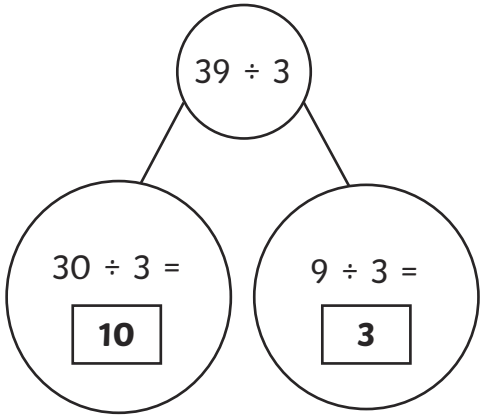
b) 84 ÷ 4 = **21**

Tens	Ones
10 10	1
10 10	1
10 10	1
10 10	1



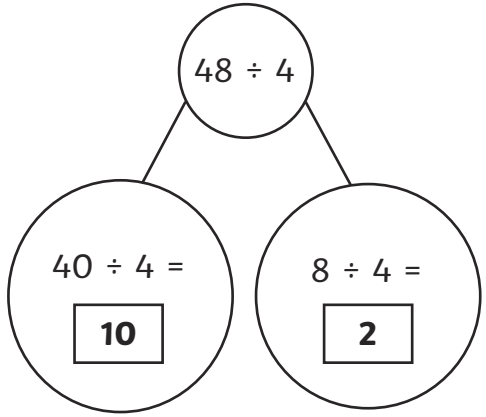
c) 39 ÷ 3 = **13**

Tens	Ones
10	1 1 1
10	1 1 1
10	1 1 1



d) 48 ÷ 4 = **12**

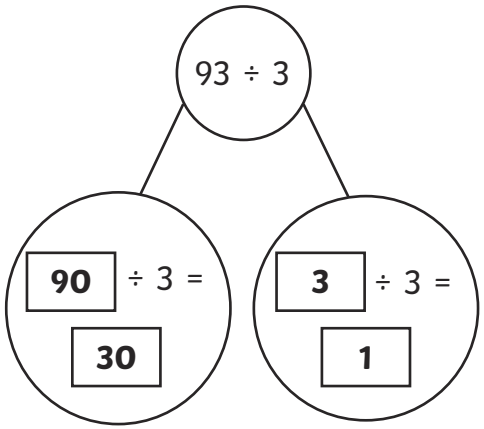
Tens	Ones
10	1 1
10	1 1
10	1 1
10	1 1



2) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

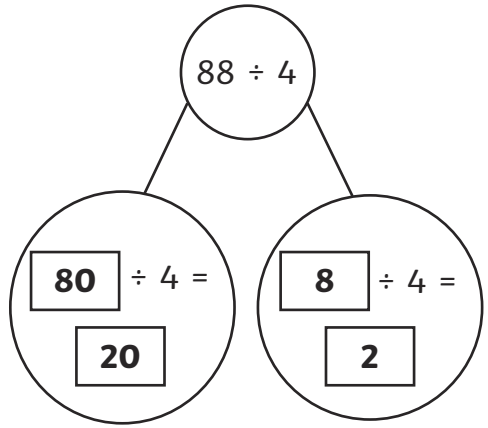
a) 93 ÷ 3 = **31**

Tens	Ones
10 10 10	1
10 10 10	1
10 10 10	1



b) 88 ÷ 4 = **22**

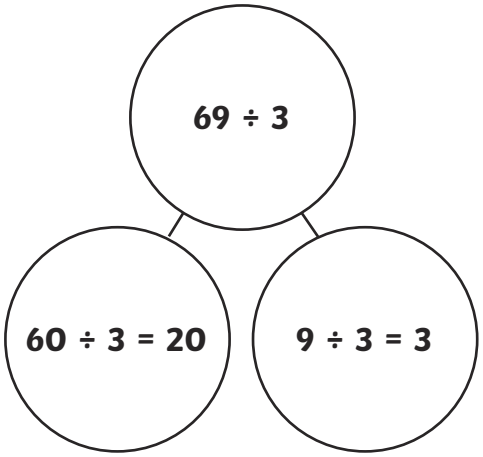
Tens	Ones
10 10	1 1
10 10	1 1
10 10	1 1
10 10	1 1



3) Aneesha has used place value counters to solve a division calculation. Complete the part-whole model and find the answer.

69 ÷ **3** = **23**

Tens	Ones
10 10	1 1 1
10 10	1 1 1
10 10	1 1 1

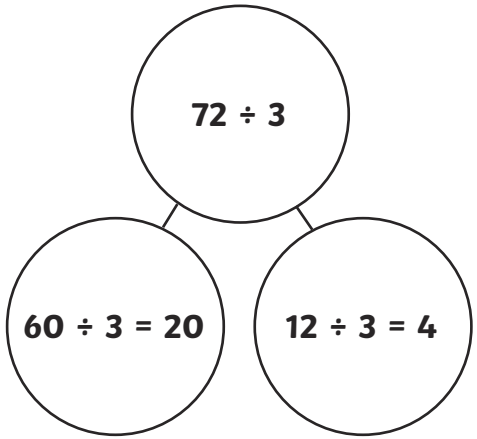


Divide 2-Digits by 1-Digit **Answers**

1) Draw the counters on the place value chart and complete the part-whole models to help you solve the division calculations.

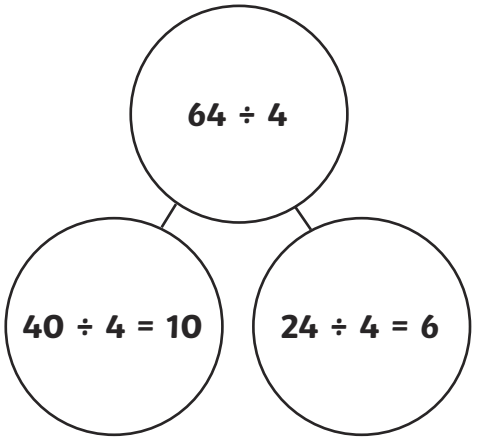
a) 72 ÷ 3 = **24**

Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1
10 10	1 1 1 1



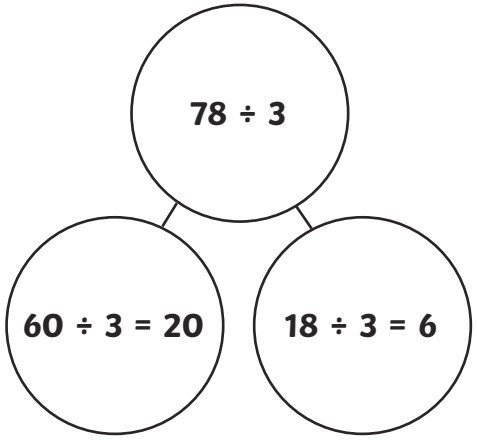
b) 64 ÷ 4 = **16**

Tens	Ones
10	1 1 1 1 1 1
10	1 1 1 1 1 1
10	1 1 1 1 1 1
10	1 1 1 1 1 1



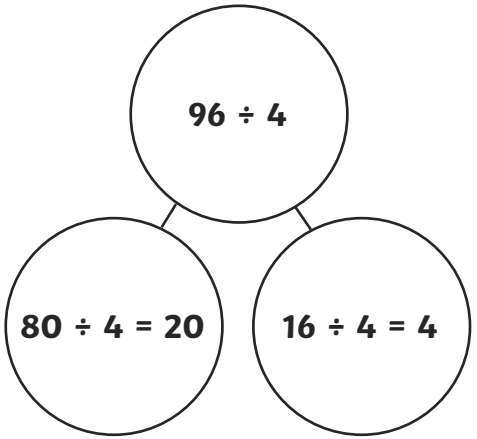
c) 99 ÷ 3 = **26**

Tens	Ones
10 10	1 1 1 1 1 1
10 10	1 1 1 1 1 1
10 10	1 1 1 1 1 1



d) 96 ÷ 4 = **24**

Tens	Ones
10 10	1 1 1 1
10 10	1 1 1 1
10 10	1 1 1 1
10 10	1 1 1 1

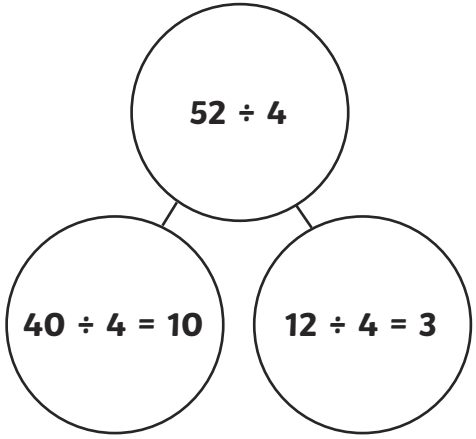


2) Solve the word problems, using the place value chart and part-whole model to help you.

a) A pizza parlour sells 52 pizzas across four days.
How many pizzas did they sell each day?

52 ÷ **4** = **13**

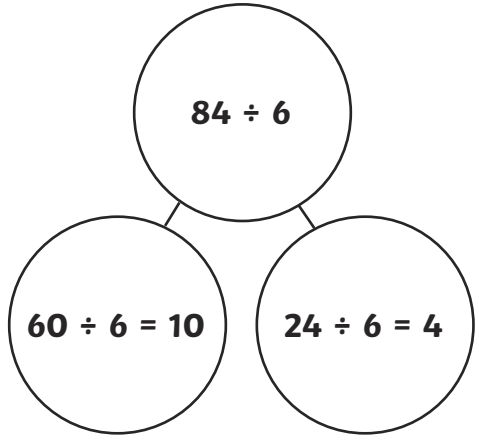
Tens	Ones
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1



b) 84 children are going to eat lunch in the hall. 6 children can fit around one table. How many tables will need to be put out?

84 ÷ **6** = **14**

Tens	Ones
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1



3) Jack is using a place value chart to solve 45 ÷ 3.

Do you agree with Jack's answer? Explain any errors he has made.

The answer is 22!

Tens	Ones
10 10	1 1
10	1 1
10	1

Jack has not shared the dividend, 45, out equally between the three groups.

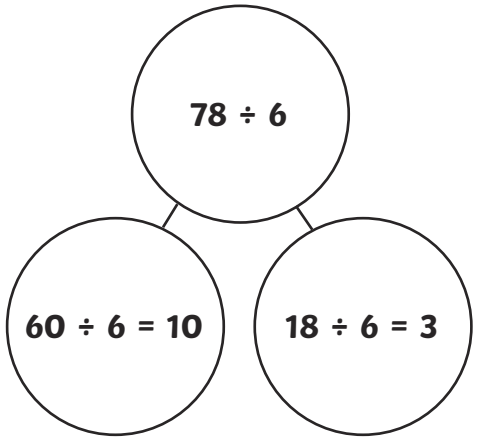
He needs to exchange 1 ten counter for 10 ones. He would then find the answer. 45 ÷ 3 = 15.

Divide 2-Digits by 1-Digit **Answers**

1) Solve the division calculations, by drawing the counters and completing the place value charts.

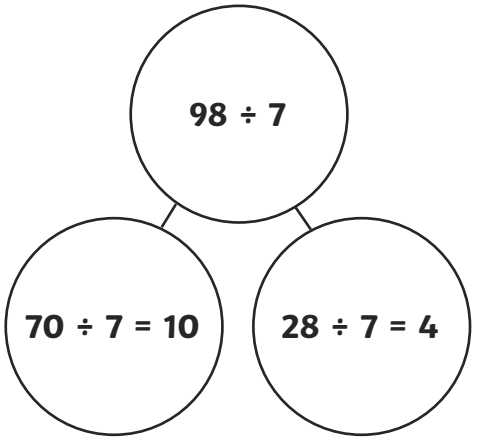
a) 78 ÷ 6 = **13**

Tens	Ones
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1



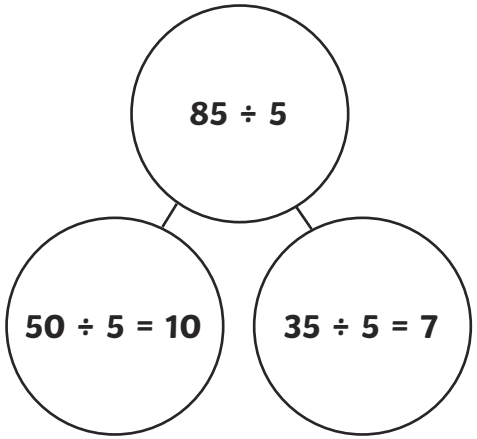
b) 98 ÷ 7 = **14**

Tens	Ones
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1
10	1 1 1 1



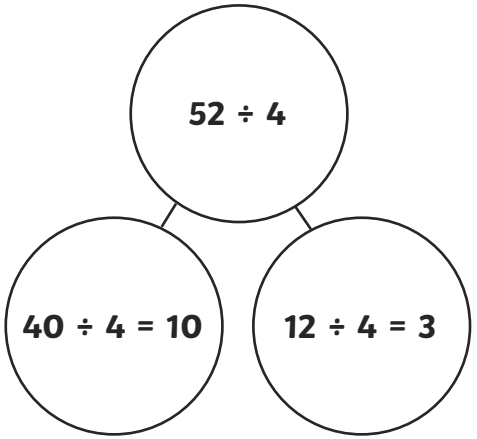
c) 85 ÷ 5 = **17**

Tens	Ones
10	1 1 1 1 1 1 1
10	1 1 1 1 1 1 1
10	1 1 1 1 1 1 1
10	1 1 1 1 1 1 1
10	1 1 1 1 1 1 1



d) 52 ÷ 4 = **13**

Tens	Ones
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1

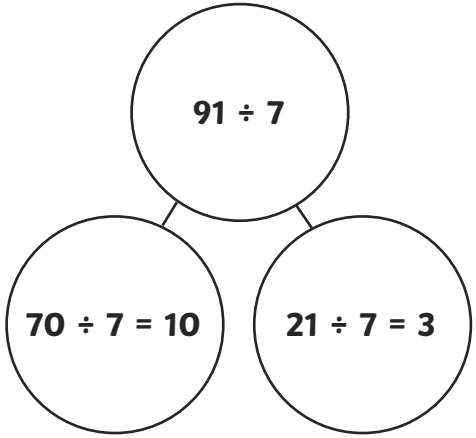


2) Solve the word problems. You may wish to use the place value charts and part-whole models to help.

a) An ice cream parlour serves ice cream sundaes. They use 7 scoops of ice cream in each sundae. In one day, they use 91 scoops of ice cream to make sundaes. How many sundaes did they make?

91 ÷ **7** = **13**

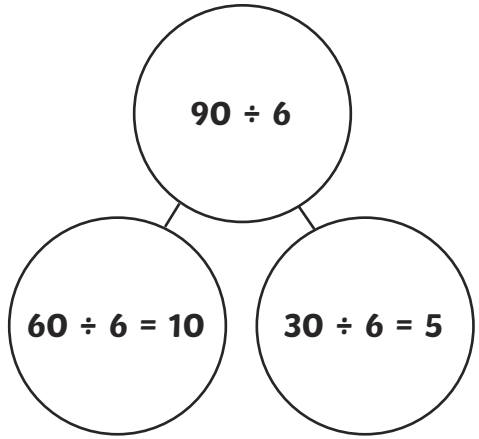
Tens	Ones
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1
10	1 1 1



b) 90 children take part in a rugby tournament. They are playing in teams of 6. How many teams are at the tournament?

90 ÷ **6** = **15**

Tens	Ones
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1



3) Jack spots a pattern to help him quickly work out related division facts.

Can you explain the pattern that Jack has spotted and how it works?

Jack

I know that 88 ÷ 4 = 22.
I used this fact to work out that 88 ÷ 8 = 11 and 88 ÷ 2 = 44.

Jack has noticed that when the divisor is doubled the quotient (answer) is halved and when the divisor is halved the quotient (answer) is doubled.

4) Complete the number statements with < , > or =.

45 ÷ 3 **>** 56 ÷ 4

84 ÷ 6 **=** 98 ÷ 7

96 ÷ 4 **<** 93 ÷ 3

90 ÷ 5 **>** 84 ÷ 6