

## To be able to divide numbers by 10 - Questions

1. Use place value counters to calculate:

- |                           |                           |
|---------------------------|---------------------------|
| <b>a.</b> $40 \div 10 =$  | <b>b.</b> $50 \div 10 =$  |
| <b>c.</b> $800 \div 10 =$ | <b>d.</b> $140 \div 10 =$ |
| <b>e.</b> $560 \div 10 =$ |                           |
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2. Use Base 10 and a place value chart calculate:

- |                             |                             |
|-----------------------------|-----------------------------|
| <b>a.</b> $120 \div 10 =$   | <b>b.</b> $540 \div 10 =$   |
| <b>c.</b> $340 \div 10 =$   | <b>d.</b> $1,000 \div 10 =$ |
| <b>e.</b> $2,200 \div 10 =$ |                             |
- f.** What effect does dividing by 10 have on a number? What does this look like on a place value chart?
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3. Complete the problems:

- a.** Match up each building number with the name of the company who belongs there. Read each clue carefully.

Local Laptops	Busy Books	Presto Pets	Fresh Fashions
1,800	180	81	18

Busy Books are based at a number 10 times less than Local Laptops.

The building number for Local Laptops is 10 times smaller than the one for Presto Pets and there is another number 10 times smaller again.

- b.** The astronaut has found a recipe for 10 people but he only wants to make one. Complete the measurements and explain where he went wrong. Write a calculation to help you explain each ingredient.

Ingredients	Measurement for 10	Measurement for 1
Flour	280g	2,800g
Sugar	350g	35g
Carrots	260g	62g
Butter	180g	?

## To be able to divide numbers by 10 - Answers

Question No.	Question	Answer
<b>1</b>	a. $40 \div 10 =$ b. $50 \div 10 =$ c. $800 \div 10 =$ d. $140 \div 10 =$ e. $560 \div 10 =$	Pupils should represent the calculations using place value counters. a. $40 \div 10 = 4$ b. $50 \div 10 = 5$ c. $800 \div 10 = 80$ d. $140 \div 10 = 14$ e. $560 \div 10 = 56$
<b>2</b>	a. $120 \div 10 =$ b. $540 \div 10 =$ c. $340 \div 10 =$ d. $1,000 \div 10 =$ e. $2,200 \div 10 =$ f. What effect does dividing by 10 have on a number? What does this look like on a place value chart?	a. $120 \div 10 = 12$ b. $540 \div 10 = 54$ c. $340 \div 10 = 34$ d. $1,000 \div 10 = 100$ e. $2,200 \div 10 = 220$ f. Dividing a number by 10 makes the number 10 times smaller.
<b>3</b>	a. Match up each building number with the name of the company who belongs there. b. The astronaut has found a recipe for 10 people but he only wants to make one portion. Complete the measurements and explain where he went wrong. Write a calculation to help you explain each ingredient.	a. Local Laptops - 180 Busy Books - 18 Presto Pets - 1,800 Fresh Fashions - 81 b. Flour: he has multiplied by 10, not divided Sugar: correct Carrots: he has swapped the digits around in his answer. It should be 62g Butter: 18g