

To be able to divide by a single digit using short division involving remainders and solve problems

Cylinders/ Pasteur

- 1) $561 \div 2$ 2) $859 \div 4$ 3) $394 \div 5$ 4) $639 \div 2$
5) $365 \div 3$ 6) $567 \div 2$ 7) $7253 \div 4$ 8) $3197 \div 3$
- 9) Sarah has 351 monster cards. She shares them equally between 4 of her friends. How many monster cards does each friend have and how many are left over?
- 10) Lewis has 197 carrots. He wants to split them equally into three sacks. How many should he put in each sack? How many are left over?
- 11) The school canteen has 454 roast potatoes. How many children can they give 3 roast potatoes to?

12)

Kinder eggs are sold in boxes of 3. A factory makes 643 Kinder eggs in a day.

- a) How many full boxes will there be?
- b) How many boxes will be needed?
- c) How many more eggs will be needed to fill the final box?



Pyramids and Spheres/ Curie and Descartes

- 1) $643 \div 6 =$ 2) $773 \div 8 =$ 3) $3871 \div 4 =$
4) $2591 \div 3 =$ 5) $4704 \div 5 =$ 6) $5825 \div 4 =$
- 7) April has 732 beads. She makes 8 necklaces with an equal number of beads in each. How many beads in each necklace?

8) There are 206 children going on a school trip. There must be at least one adult for each 4 children. How many adults should go with the children?

9) Ilyas has 346 biscuits. He splits them equally between 5 friends. How many biscuits does each friend get?

10) Roger wants to split 3407 sheets of paper into 6 equal piles. How many sheets should he put in each pile?

11)

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12)

2) A chocolate factory has made 2459 chocolate eggs. They pack them in trays of 4.

- a) How many full trays will there be?
- b) How many trays will the factory use?
- c) How many more eggs will be needed to fill the final tray?



Cubes and Cuboids/ Verne and De Gaulle

1) $6784 \div 7 =$ 2) $8439 \div 6 =$ 3) $7497 \div 2 =$

4) April has 732 beads. She makes 8 necklaces with an equal number of beads in each. How many beads in each necklace?

5) There are 206 children going on a school trip. There must be at least one adult for each 4 children. How many adults should go with the children?

6) Ilyas has 346 biscuits. He splits them equally between 5 friends. How many biscuits does each friend get?

7) Roger wants to split 3407 sheets of paper into 6 equal piles. How many sheets should he put in each pile?

8) Elliot has 6387 screws. He needs 4 screws to put up 1 shelf. How many shelves can he put up?

9) Samir has a giant bag of 5438 jelly beans. He wants to share them out equally between 9 people. How many will they each get?

10) 1094kg of oats are transported. The oats are split equally between 5 lorries. How many kg of oats are in each lorry?

- 11) 2) A chocolate factory has made 2459 chocolate eggs. They pack them in trays of 4.
- a) How many full trays will there be?
 - b) How many trays will the factory use?
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12)



Doughnuts are placed on trays of 6 in a factory.

In one day the factory makes 5,366 doughnuts.

How many trays do they need per day?

How many full trays do they have at the end of the day?