Homework/Extension
Step 3: Divide by 2

National Curriculum Objectives:

Mathematics Year 2: (2C7) Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs

Mathematics Year 2: (2C8) Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Match the representations to the calculation. Representations aligned in arrays.
Expected Match the representations to the calculation. A range of representations using pictorial support with one-to-one correspondence.
Greater Depth Match the representations to the calculation. A range of representations using pictorial support with a value greater than 1.

Questions 2, 5 and 8 (Varied Fluency)
Developing Identify the unrelated calculation. Pictorial representation aligned in an array.
Expected Identify the unrelated calculation. Pictorial representation using images of varying sizes and alignment.
Greater Depth Identify the unrelated calculation. Bar model representation using digits.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Solve a two-step problem by dividing by 2. Pictorial support using images with one-to-one correspondence.
Expected Solve a two-step problem by dividing by 2. Pictorial support does not use one-to-one correspondence.
Greater Depth Solve a two-step problem by dividing by 2. No pictorial support given.
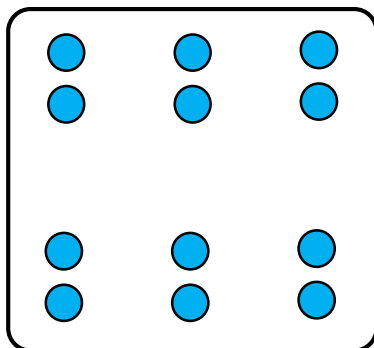
More Year 2 Multiplication and Division resources.

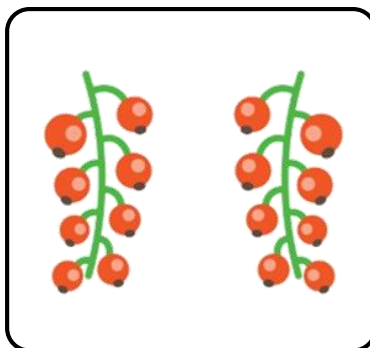## Did you like this resource? Don't forget to review it on our website.

Divide by 2

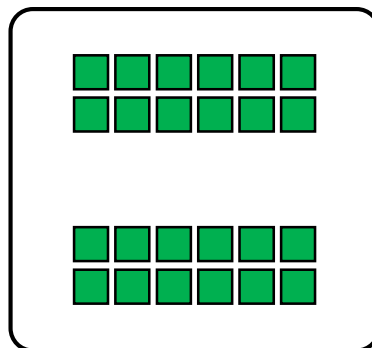**1. Match the representation to the division calculation.**
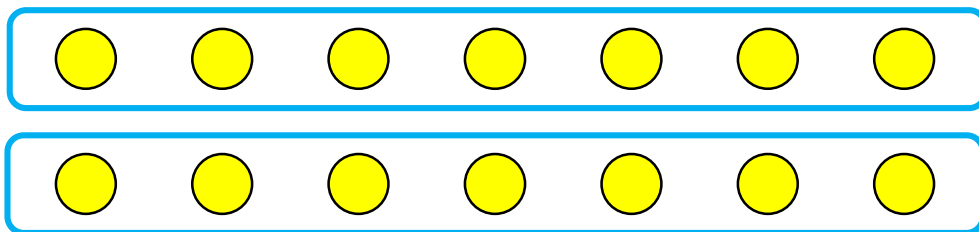
A.

B.

C.

24 ÷ 2 = 12   12 ÷ 2 = 6   16 ÷ 2 = 8

2. Circle the calculation that is not related to the representation.

A.   14 ÷ 2 = 7   B.   2 x 7 = 14

C.   14 ÷ 3 = 7   D.   7 x 2 = 14
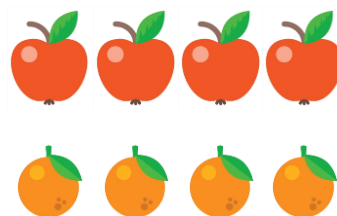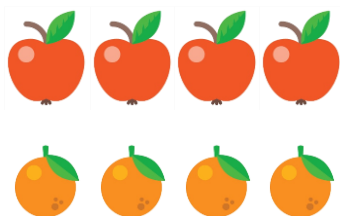
3. Seb buys 8 apples, 4 biscuits and 12 oranges.

Seb eats 2 of the apples and 2 of the oranges.

If Seb divides what's left equally between his mum and dad how many of each item will they receive?
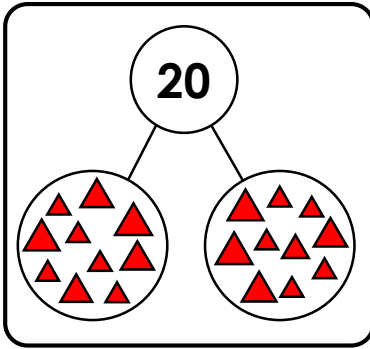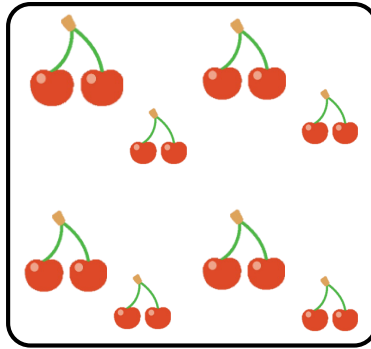
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Homework/Extension – Divide by 2 – Year 2 Developing

Divide by 2

4. Match the representation to the division calculation.
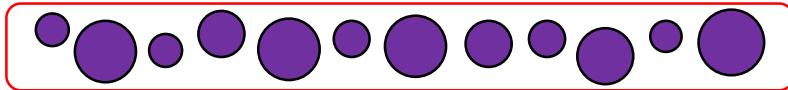
A.

20

B.

C.

14
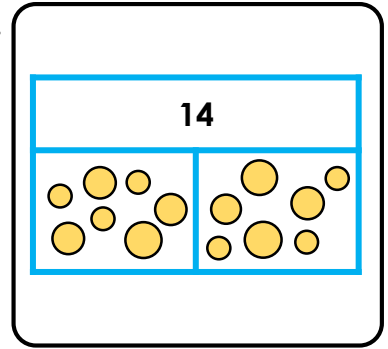
14 ÷ 2 = 7   20 ÷ 2 = 10   16 ÷ 2 = 8

5. Circle the calculation that is not related to the representation.
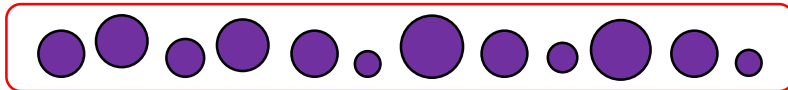
A.   24 ÷ 2 = 12   B.   12 x 2 = 24

C.   2 x 12 = 24   D.   24 ÷ 6 = 4

6. Leanne buys 8 pears, 2 pineapples and 14 sandwiches.

Leanne eats 2 of the pears and 4 of the sandwiches.

14   8   2

If Leanne divides what's left equally between her mum and dad how many of each item will they receive?
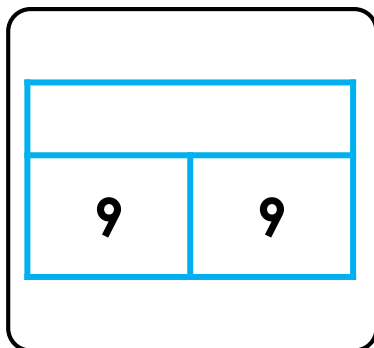**How many items does Leanne's mum receive in total?**

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Homework/Extension – Divide by 2 – Year 2 Expected

Divide by 2

7. Complete and match the representations and calculations.

A.

| 9 | 9 |

B.

C.

☐ ÷ 2 = 12   ☐ ÷ 2 = 8   18 ÷ 2 = ☐
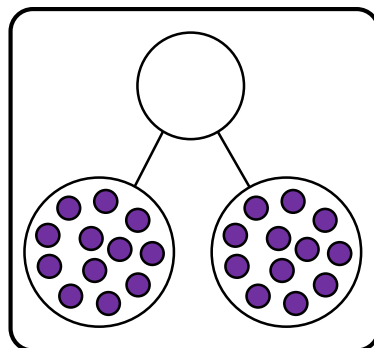
8. Circle the calculation that is not related to the representation.

| 28 |
| | |

A.   28   ÷   2   =   ☐   B.   ☐   x   14   =   28

C.   4   x   ☐   =   28   D.   28   ÷   14   =   ☐
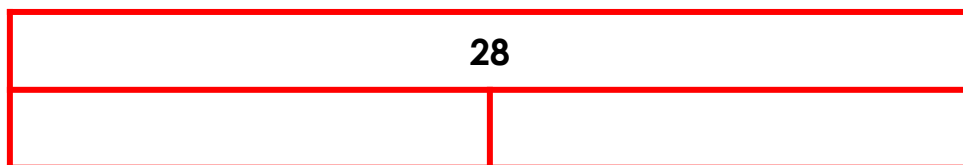
9. Leroy buys 10 bags of crisps, 6 cans of drink and some doughnuts

Leroy eats 4 of the doughnuts and drinks 2 of the cans.

He shares the items equally with his sister. His sister got 10 items of food and drink. How many of each item does she get? How many doughnuts did Leroy buy?

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Homework/Extension – Divide by 2 – Year 2 Greater Depth

Developing

1. A. 12 ÷ 2 = 6; B. 16 ÷ 2 = 8; C. 24 ÷ 2 = 12
2. C
3. Seb's mum and dad would each have 3 apples, 2 biscuits and 5 oranges.

Expected

4. A. 20 ÷ 2 = 10; B. 16 ÷ 2 = 8; C. 14 ÷ 2 = 7
5. D
6. Leanne's mum and dad would each have 3 pears, 1 pineapple and 5 sandwiches. Her mum would have 9 items altogether.

Greater Depth

7. A. 18 ÷ 2 = <u>9</u>; B. <u>16</u> ÷ 2 = 8; C. <u>24</u> ÷ 2 = 7
8. C
9. Leroy's sister would get 5 bags of crisps, 2 cans of drink and 3 doughnuts. Leroy bought 10 doughnuts altogether.