

5 Tick the calculation cards that leave a remainder greater than 10

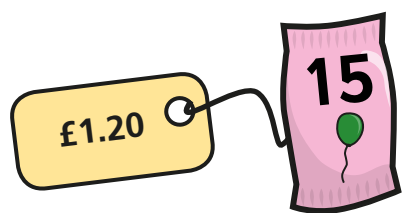
| | | | | |
|--------------------|-------------------|--------------------|--------------------|--------------------|
| $899 \div 30$ ✓ | $899 \div 8$ ✗ | $899 \div 11$ ✗ | $899 \div 24$ ✓ | $899 \div 99$ ✗ |
|--------------------|-------------------|--------------------|--------------------|--------------------|

| |
|----------------------------------|
| $899 \div 30 = 29 \text{ r } 29$ |
| $899 \div 11 = 81 \text{ r } 8$ |
| $899 \div 24 = 37 \text{ r } 11$ |
| $899 \div 99 = 9 \text{ r } 8$ |

6 Tommy needs to buy 650 balloons for a festival.

Party Supplies

Fun Stores



How much would it cost to buy the balloons from each shop?

$$650 \div 15 = 43 \text{ r } 5$$

$$44 \times \pounds 1.20 = \pounds 52.80$$

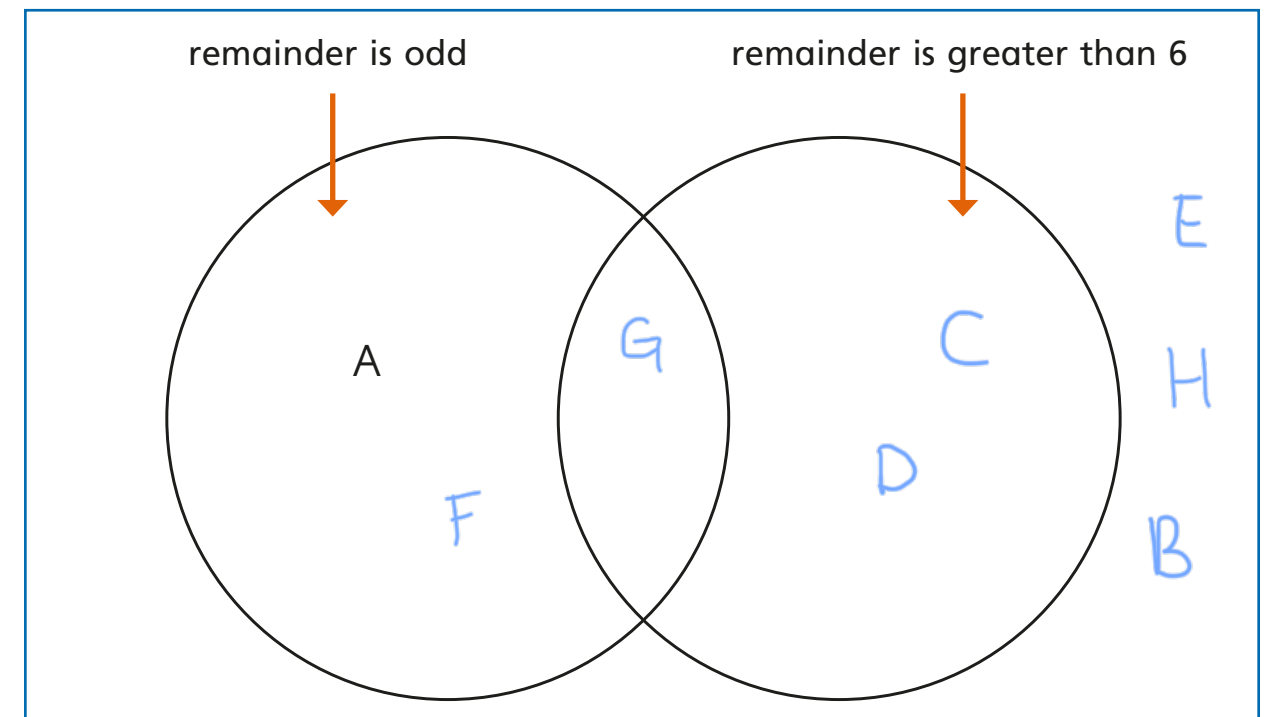
$$650 \div 24 = 27 \text{ r } 2$$

$$28 \times \pounds 2 = \pounds 56$$

Party Supplies: £52.80

Fun Stores: £56

7 Label the sorting diagram with the divisions. The first one has been done for you.



A $901 \div 16$

C $910 \div 16$

E $901 \div 17$

G $910 \div 17$

B $902 \div 16$

D $920 \div 16$

F $902 \div 17$

H $920 \div 17$

8

| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|

Use each digit card once to complete the division in different ways.

$$\square \square \square \div \square \square$$

Experiment to find divisions that give:

- a) the smallest possible remainder
- b) the largest remainder
- c) a remainder that is a multiple of 5

Talk about your answers with a partner.

