Divide by 8

1 Complete the sentences.
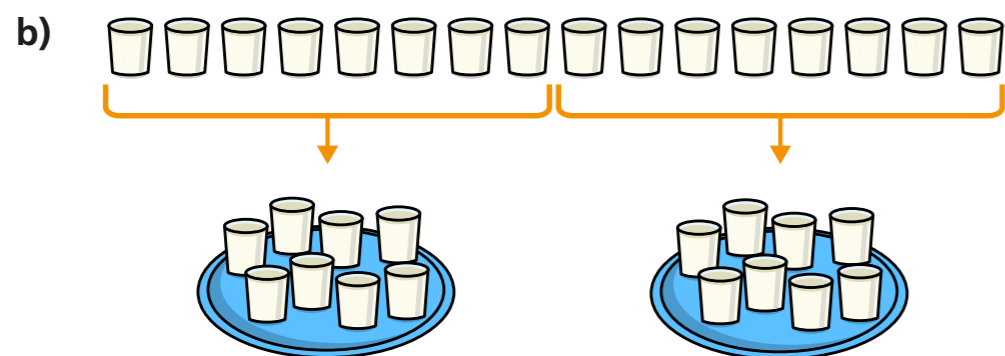
a)
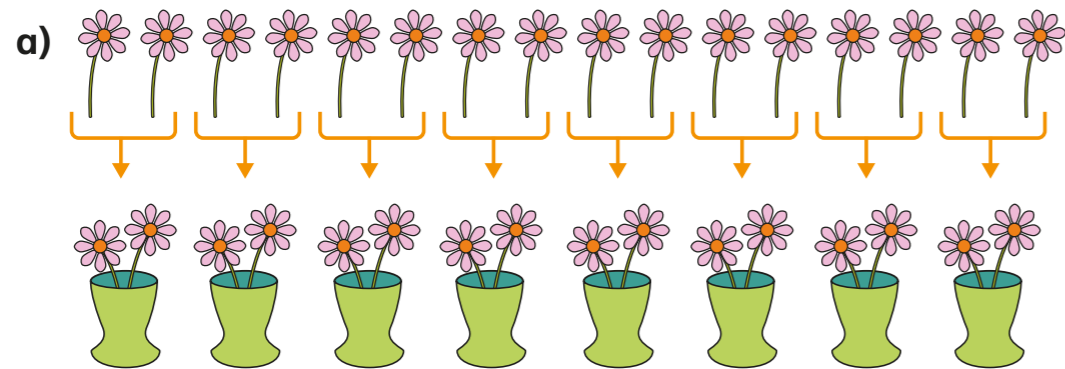
There are **16** flowers.

There are **8** vases.

Each vase has **2** flowers.

16 shared into **8** equal groups is **2**

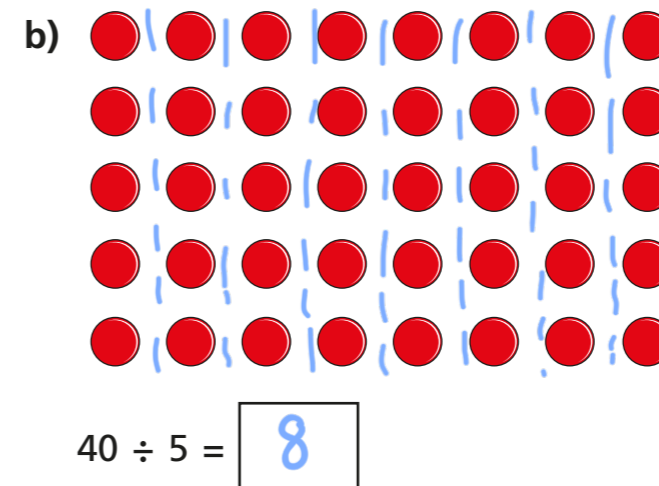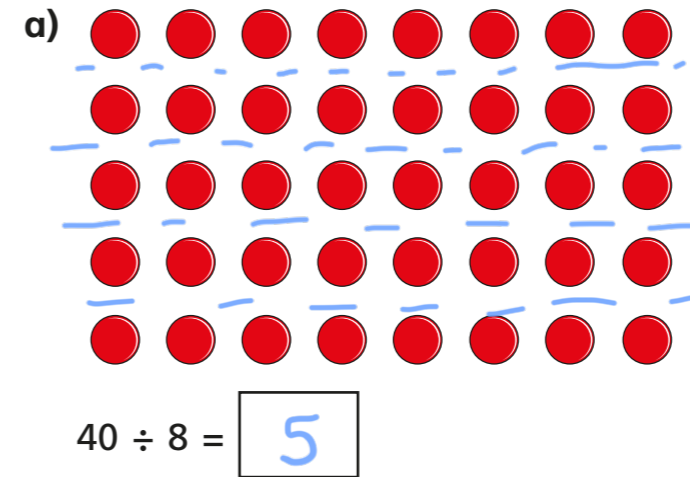**b)**

There are 16 glasses of milk.

There are **8** glasses of milk on each tray.

There are **2** trays.

16 shared into **2** equal groups is **8**

2 Use the arrays to help you complete the divisions.

Draw on the arrays to show your workings.

a)

$40 \div 8 = $ **5**

b)

$40 \div 5 = $ **8**

3 32 coins are shared between 8 people.

How many coins does each person get?

Complete the division.

$32p \div 8 = 4p$

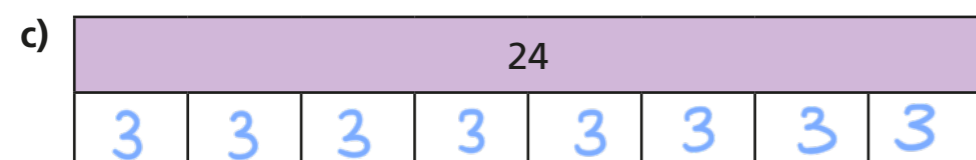**4** Complete the bar models and division statements.

a)

24
12	12

$24 \div 2 = 12$

b)

24
6	6	6	6

$24 \div 4 = 6$

c)

24
3	3	3	3	3	3	3	3
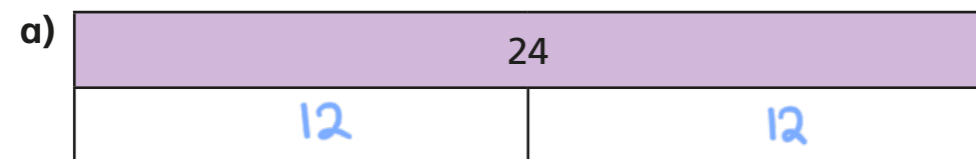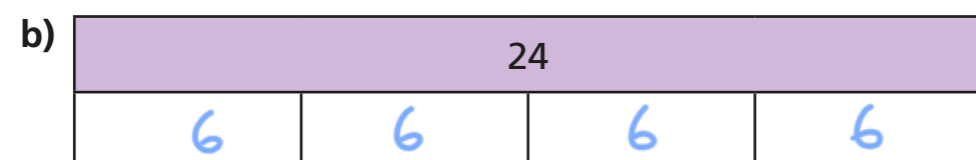
$24 \div 8 = 3$

What do you notice?

5 40 kg of potatoes are packed into 8 kg bags.
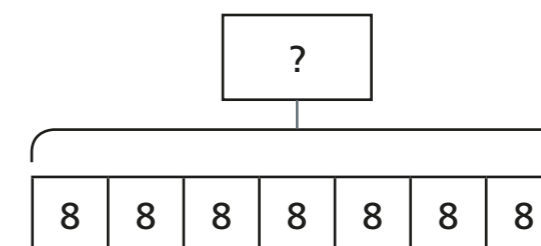
How many 8 kg bags can be filled?

6 a) Match the number story to the bar model.

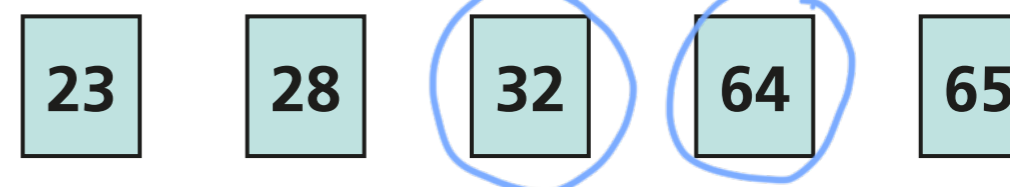56 sweets are shared equally between 8 party bags.

56
| 8 | 8 | 8 | 8 | 8 | 8 | 8 |

56 sweets are put into party bags. There are 8 sweets in each bag.

56
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

b) Complete the bar models.

c) Think of a number story to match this bar model.

?
| 8 | 8 | 8 | 8 | 8 | 8 | 8 |

7 Circle the numbers that divide by 8 exactly.

23   28   **(32)**   **(64)**   65

How did you work this out?