Make equal groups – sharing
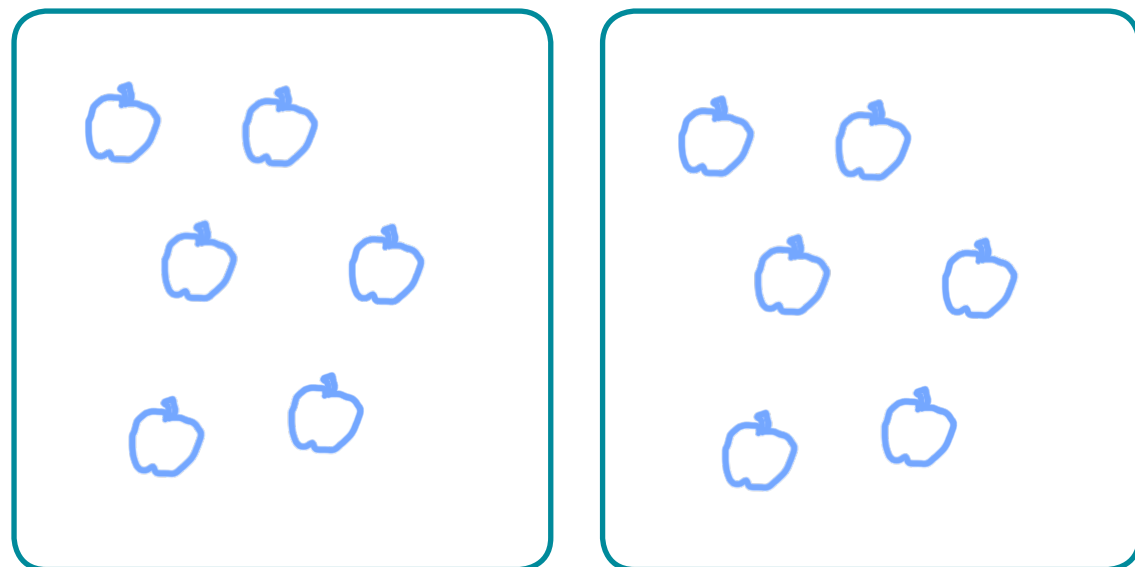
1 Annie has 12 apples.

🍎 🍎 🍎 🍎 🍎 🍎 🍎 🍎 🍎 🍎 🍎 🍎
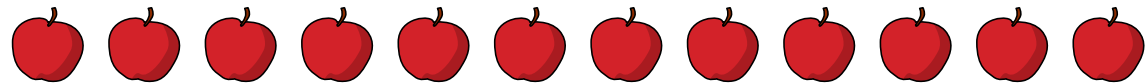
She shares them equally into 2 boxes.

Show how Annie shares the apples equally.

Complete the sentences.

There are 12 apples.

There are $\boxed{2}$ boxes.

There are $\boxed{6}$ apples in each box.

2 Take 20 cubes.

a) Share them into 2 equal groups.
Complete the sentences.

There are 20 cubes.

There are $\boxed{2}$ groups.

There are $\boxed{10}$ cubes in each group.

b) Share the cubes into 5 equal groups.
Complete the sentences.

There are 20 cubes.

There are $\boxed{5}$ groups.

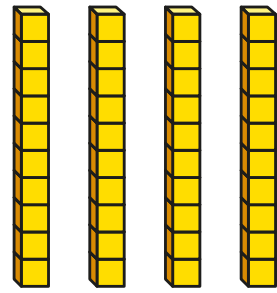There are $\boxed{4}$ cubes in each group.

c) You can share 20 into other equal groups.

Is this true? _____Yes_____

How do you know?

3 Complete the divisions.
Use base 10 to help you.

a) $40 \div 2 = \boxed{20}$

c) $40 \div 5 = \boxed{8}$

b) $40 \div 4 = \boxed{10}$

d) $40 \div 10 = \boxed{4}$

Did you have to make any exchanges?

4 30 flowers are shared equally between 5 vases.

a) Complete the division.

$$\boxed{30} \div \boxed{5} = \boxed{6}$$

b) What does each part of the division represent?
Talk about it with a partner.

5 Complete the divisions.

A $20 \div 5 = \boxed{4}$

C $20 \div \boxed{10} = 2$

B $20 \div 4 = \boxed{5}$

D $20 \div 2 = \boxed{10}$

Write a letter in each box to match the divisions to the sentences.

Dora has 20 apples. She shares them equally between 4 boxes. $\boxed{B}$

Ron has 20 sweets. He shares them equally between some party bags. There are 2 sweets in each party bag. $\boxed{C}$

Dexter has 20 toy cars. He shares them equally between 5 boxes. $\boxed{A}$

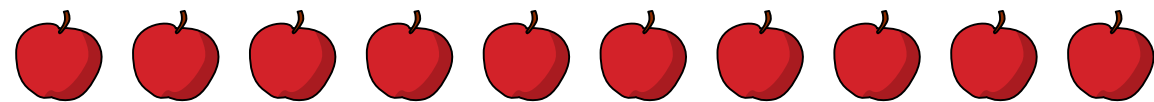Whitney has 20 dolls. She shares them equally with her sister. $\boxed{D}$

What other sentences can you think of to match the divisions?
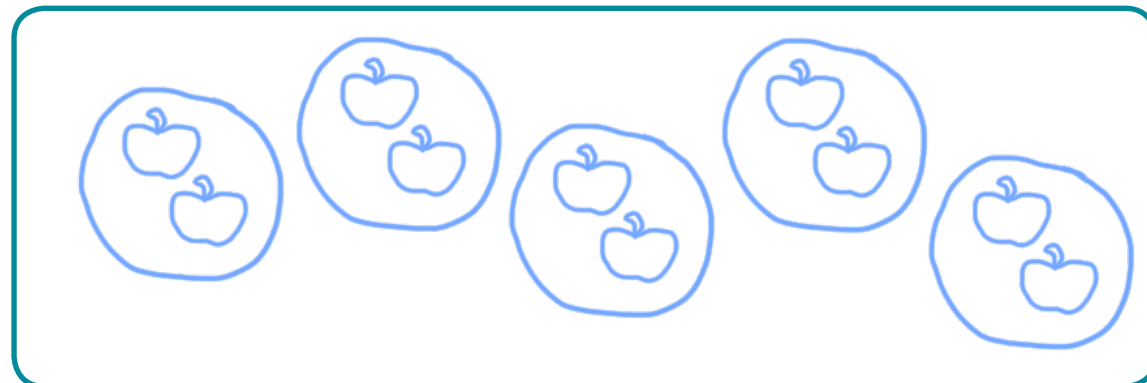
Make equal groups – grouping

1 Annie has 10 apples.

Annie has some plates.

She wants to put 2 apples on each plate.

Show how Annie groups the apples.

Complete the sentences.

There are | 10 | apples.

There are | 2 | apples on each plate.

There are | 5 | plates.

2 Take 15 counters.
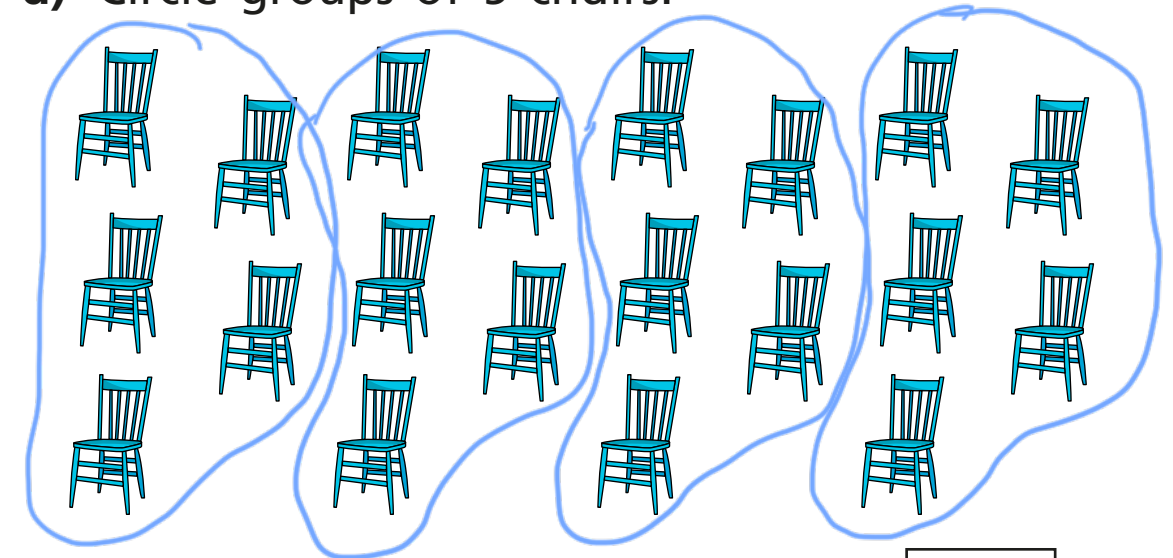
Put the counters into groups of 3

Complete the sentences.

There are 15 counters.

The counters are in groups of | 3 |

There are | 5 | groups.

3 Mo has 20 chairs.

a) Circle groups of 5 chairs.

b) How many groups did you circle? | 4 |

c) Complete the number sentence.

| 20 | ÷ | 5 | = | 4 |

4 Complete the number sentences.

Use the number line to help you.

a) $30 \div 10 = \boxed{3}$

0   10   20   30
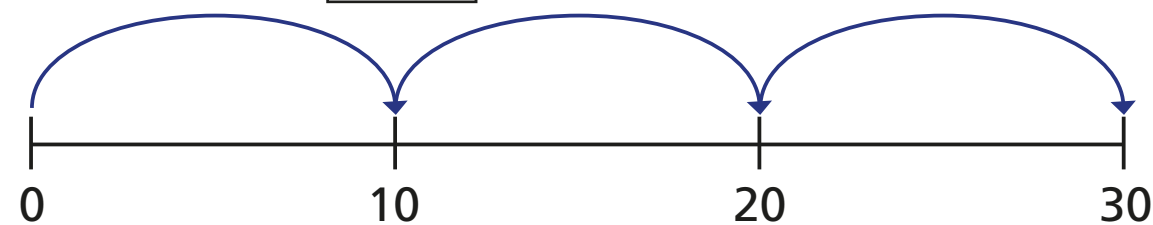
30 is made of $\boxed{3}$ equal groups of $\boxed{10}$

b) $30 \div 5 = \boxed{6}$

0   5   10   15   20   25   30
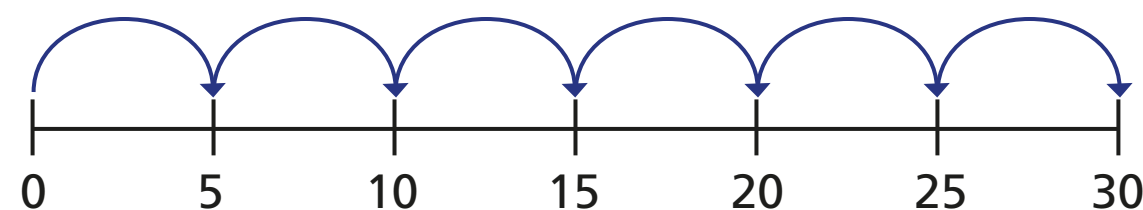
30 is made of $\boxed{6}$ equal groups of $\boxed{5}$

c) Investigate other equal groups you could make with 30.

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
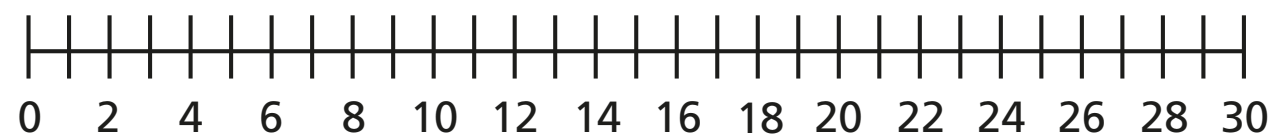
Talk about it with a partner

5 Eva is putting 24 pencils into pots.
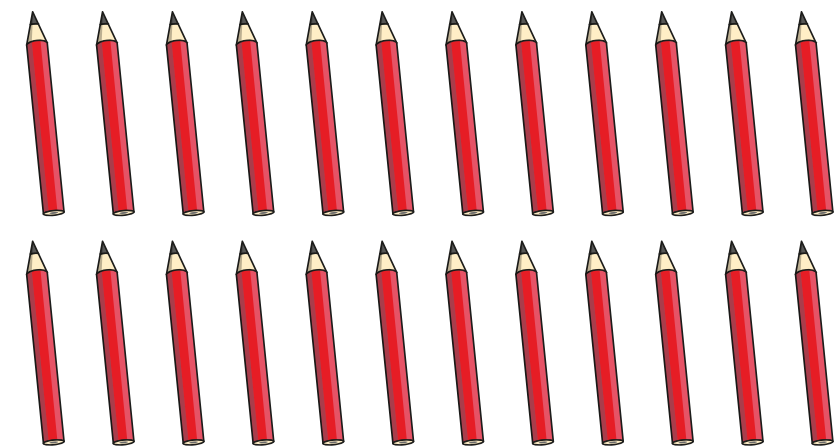
She puts 2 pencils into each pot.

How many pots does Eva need?

$\boxed{24} \div \boxed{2} = \boxed{12}$

Eva needs $\boxed{12}$ pots.

6 With 40 counters you can only make equal groups of 4 and 10
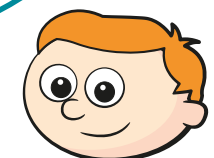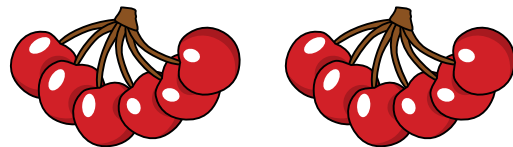
Is Ron correct? __NO__

Use counters to show how you know.
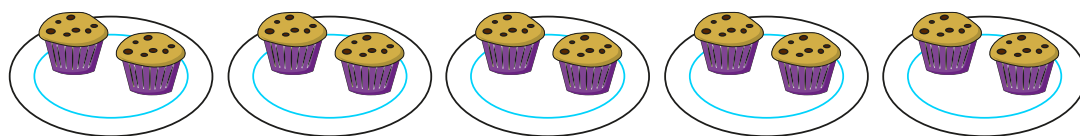
Divide by 2

1 Complete the sentences.

a)

There are 12 cherries.

There are | 2 | groups.

There are | 6 | cherries in each group.

12 ÷ 2 = | 6 | 2 × | 6 | = 12

b)

There are 10 muffins.

There are | 2 | muffins in each group.

There are | 5 | groups.

10 ÷ 2 = | 5 | | 5 | × 2 = 10

2 Complete the number sentences for each array.

a)

| 4 | × 2 = 8

8 ÷ 2 = | 4 |

b)
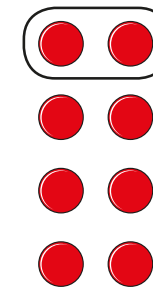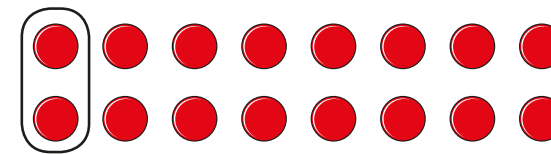
| 8 | × 2 = 16

16 ÷ 2 = | 8 |

3 There are 14 socks.
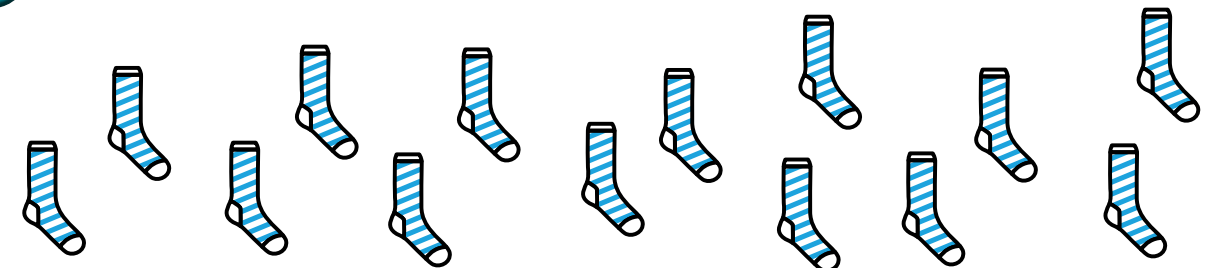
Amir puts them in pairs.

a) How many pairs of socks does he have?

| 7 |

b) Complete the number sentence.

| 14 | ÷ | 2 | = | 7 |

4 Use the number lines to complete the division sentences.

a) $12 \div 2 = \boxed{6}$

0 1 2 3 4 5 6 7 8 9 10 11 12

b) $20 \div 2 = \boxed{10}$
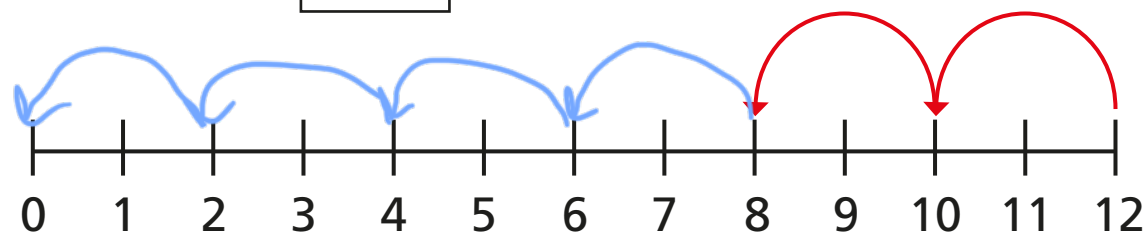
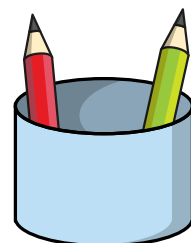0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
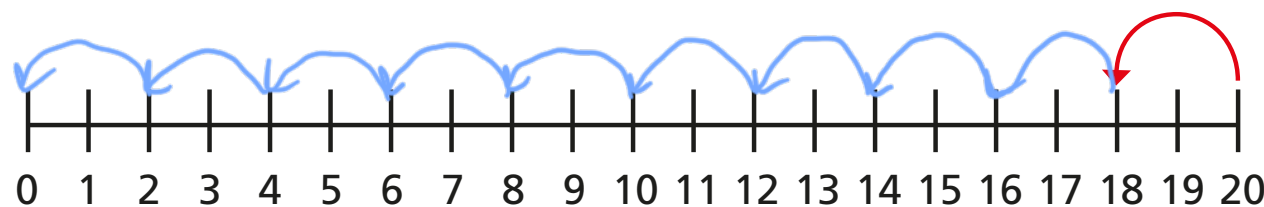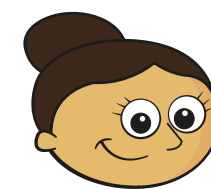
Is there another way to work this out?

5 Alex has 22 pencils.

She puts them into pots.

Each pot has 2 pencils.

How many pots does Alex need?

$22 \div 2 = \boxed{11}$

Alex needs $\boxed{11}$ pots.

6

If I know my 2 times-table, I can use this to help me divide by 2

Do you agree with Dora? __yes__

Talk about it with a partner.

7 Complete the divisions.

a) $6 \div 2 = \boxed{3}$

b) $10 \div 2 = \boxed{5}$

c) $14 \div 2 = \boxed{7}$

d) $0 \div 2 = \boxed{0}$

e) $\boxed{10} \div 2 = 5$

f) $\boxed{12} \div 2 = 6$

g) $\boxed{18} \div 2 = 9$

h) $\boxed{22} \div 2 = 11$

1 Here are some counters.
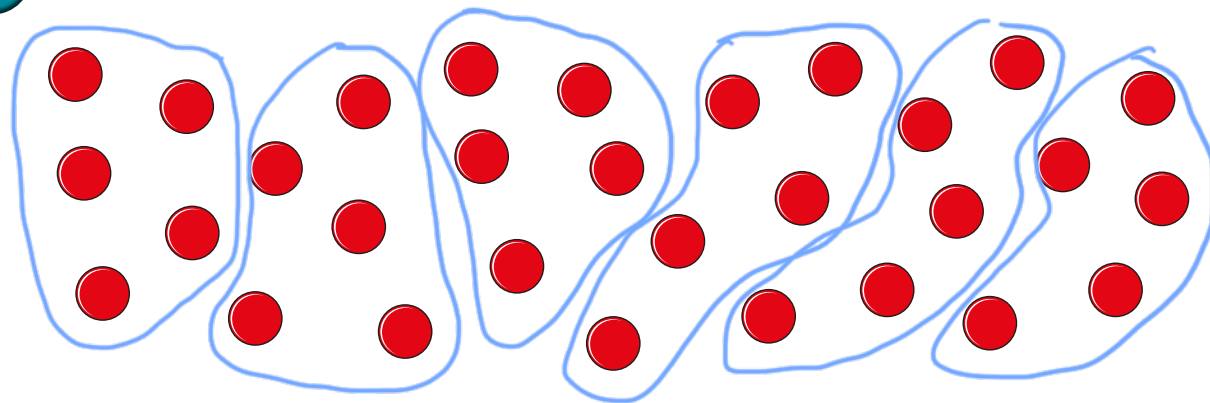
a) Draw circles around groups of 5
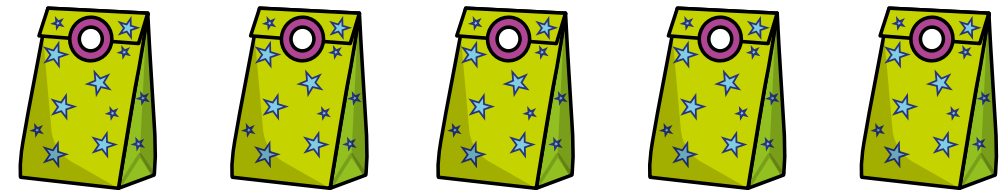
b) Complete the sentences.

There are 30 counters.

There are $\boxed{5}$ counters in each group.

There are $\boxed{6}$ groups.

$30 \div 5 = \boxed{6}$

$\boxed{6} \times 5 = 30$

2 Share the sweets between the party bags.

There are $\boxed{15}$ sweets.

There are $\boxed{5}$ party bags.

There are $\boxed{3}$ sweets in each bag.

$15 \div \boxed{5} = \boxed{3}$

3 Complete the number sentences for each array.

a)

$\boxed{4} \times 5 = 20$

$20 \div 5 = \boxed{4}$
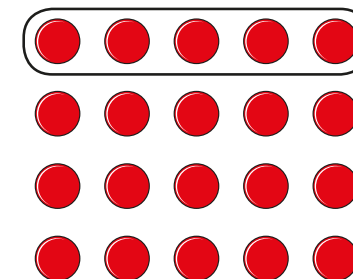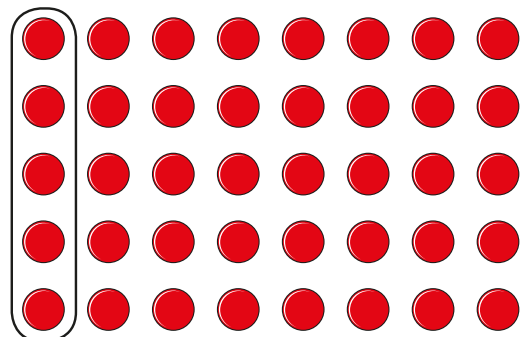
b)

8 × 5 = 40

40 ÷ 5 = 8

4 Draw an array to show that 10 ÷ 5 = 2
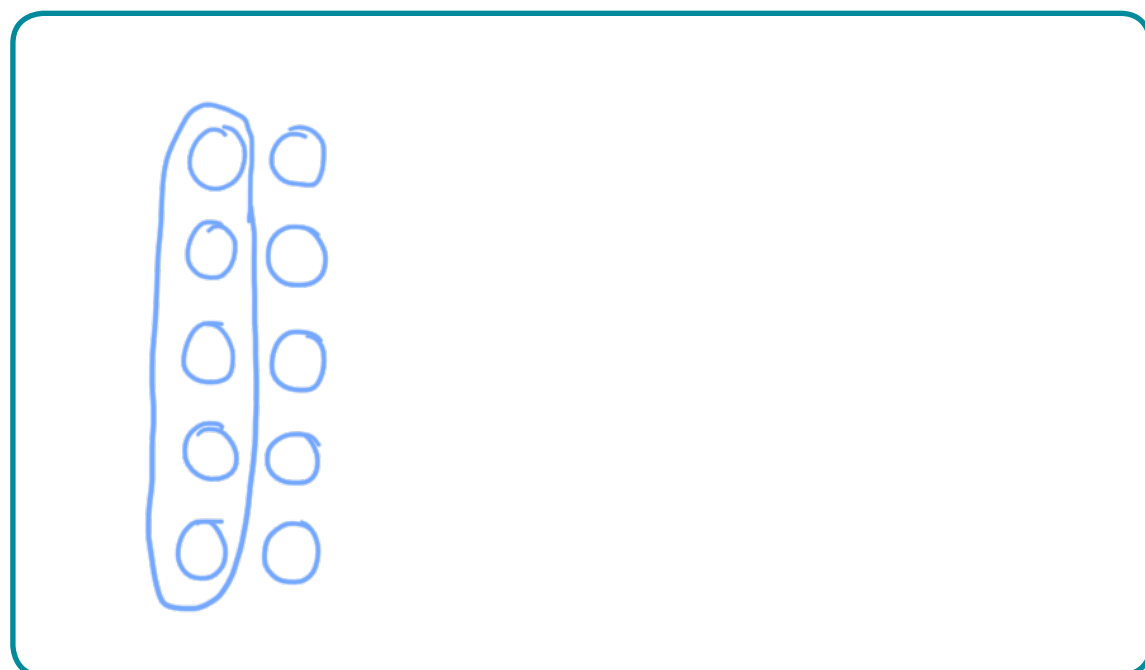
5 A boat can fit 5 people.

Work out how many boats are needed for 45 people.

45 ÷ 5 = 9

9 boats are needed.

6 Complete the divisions.

a) 15 ÷ 5 = 3

b) 25 ÷ 5 = 5

c) 50 ÷ 5 = 10

d) 60 ÷ 5 = 12

e) 35 ÷ 5 = 7

f) 55 ÷ 5 = 11

g) 40 ÷ 5 = 8

h) 0 ÷ 5 = 0

7 Annie buys 5 lollipops.
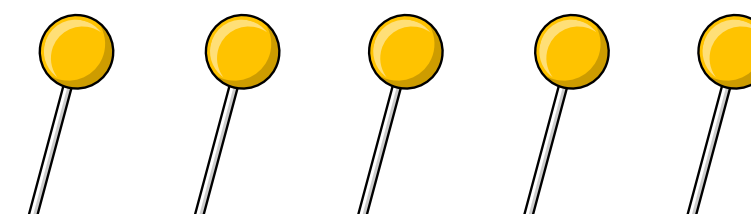
This costs her 50p.

How much do 2 lollipops cost?

20 p

Artwork as mss

1 Here are some crayons.
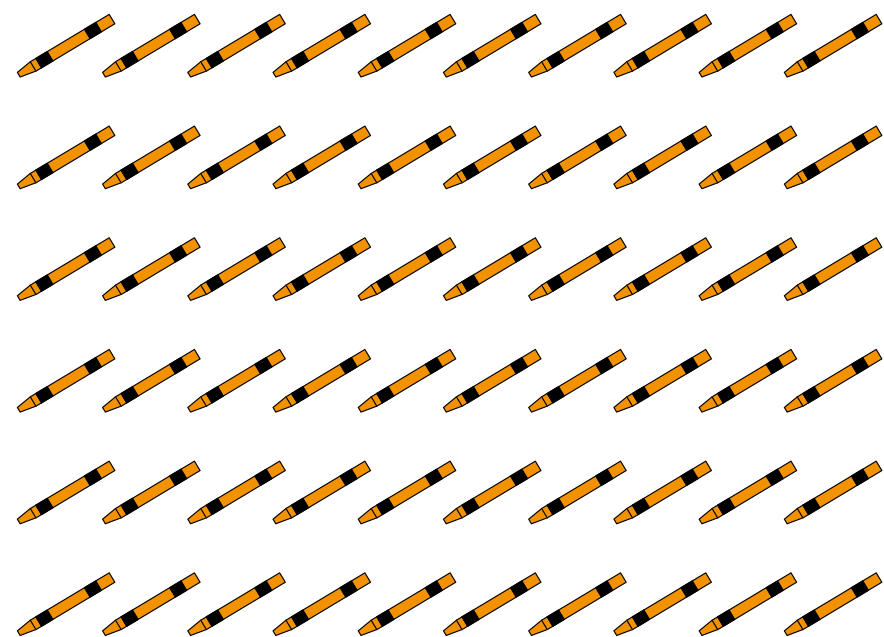

A pack holds 10 crayons.

How many packs can be made?

Complete the sentences.

There are $\boxed{60}$ crayons.

There are $\boxed{10}$ crayons in a pack.

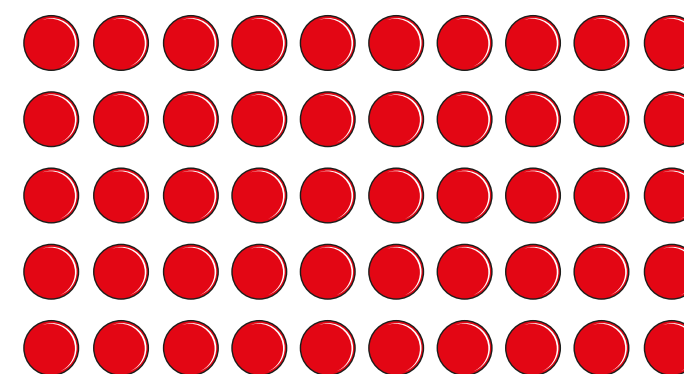$60 \div 10 = \boxed{6}$

$\boxed{6}$ packs can be made.

2 Share 40 counters equally between 10 groups.

Complete the division.

$40 \div \boxed{10} = \boxed{4}$

3 Use the array to complete the fact family.

$\boxed{5}$	×	$\boxed{10}$	=	$\boxed{50}$
$\boxed{10}$	×	$\boxed{5}$	=	$\boxed{50}$
$\boxed{50}$	÷	$\boxed{5}$	=	$\boxed{10}$
$\boxed{50}$	÷	$\boxed{10}$	=	$\boxed{5}$

4 Write the missing numbers.

a) 70 ÷ 10 = **7**   **d)** **2** tens ÷ 10 = 2

b) 80 ÷ 10 = **8**   **e)** **60** ÷ 10 = 6

c) 1 ten ÷ 10 = **1**

5 Rosie has these number cards.

4   **10**   **40**

Complete the number sentences using only these numbers.

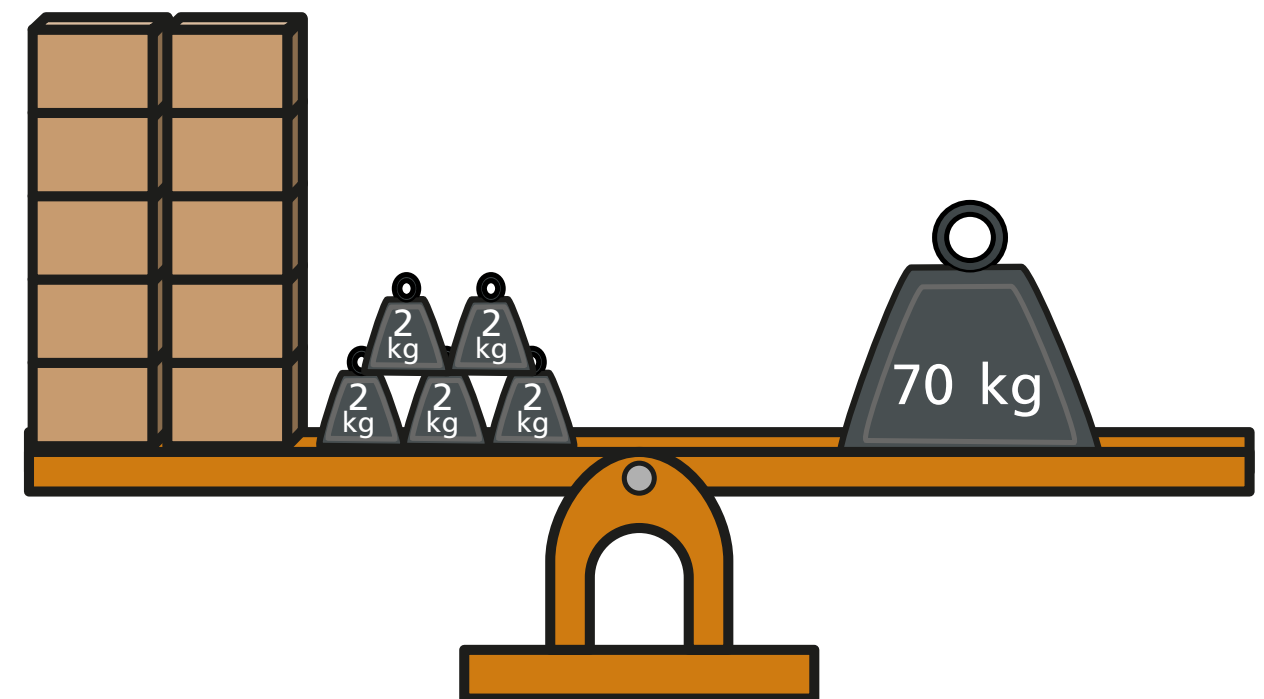**40** ÷ **10** = **4**

4 × **10** = **40**

Are there any other ways to complete the sentences?

6 Tommy has 100 stickers for his sticker book.

He can fit 10 stickers on each page.

How many pages can Tommy fill?

100 ÷ **10** = **10**

Tommy can fill **10** pages.

7 What is the mass of one of the boxes?

70 kg

6 kg