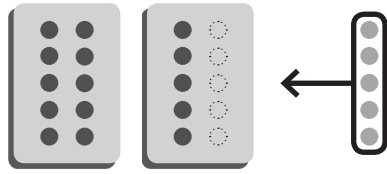


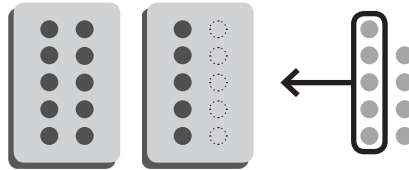
Exercise 3

Basics

1 (a)



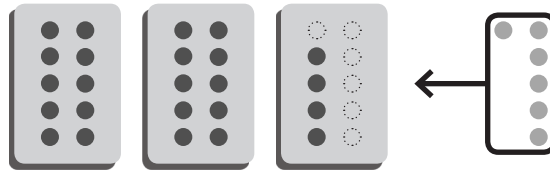
$$15 + 5 = \square$$



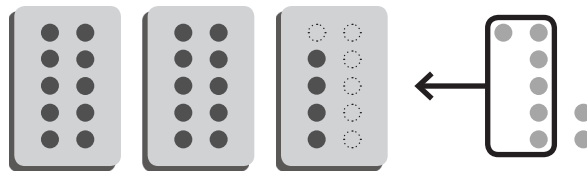
$$15 + 9 = \square$$

5 4

(b)



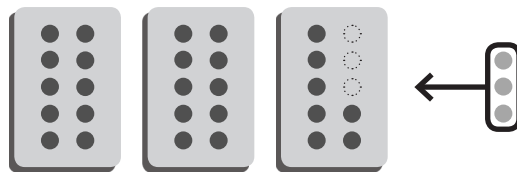
$$24 + 6 = \square$$



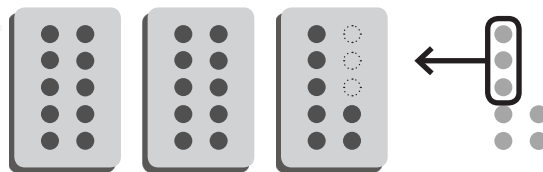
$$24 + 8 = \square$$

6 2

(c)



$$27 + 3 = \square$$

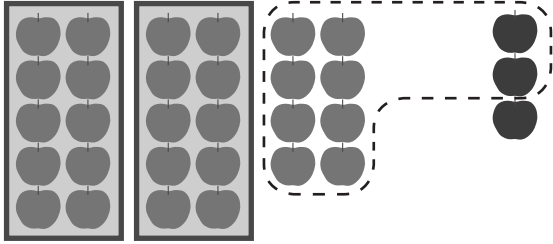
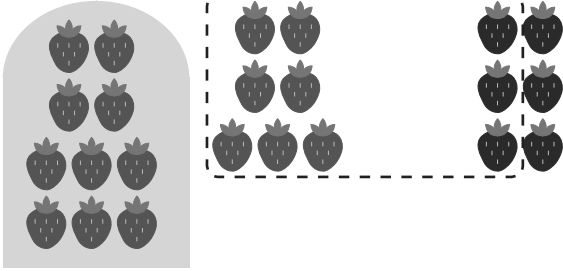
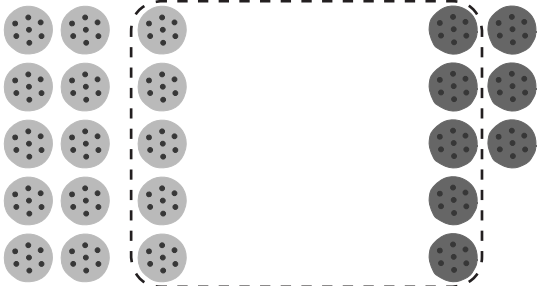
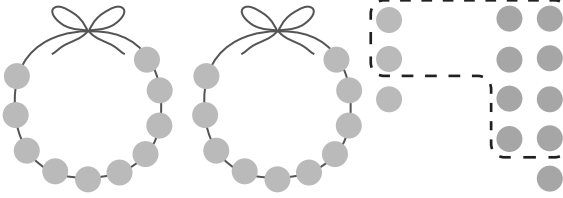
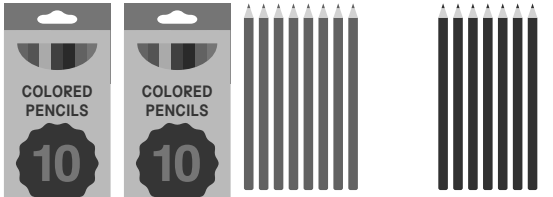
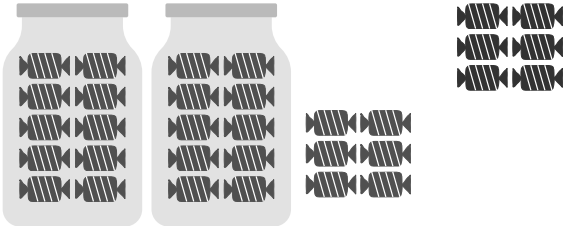
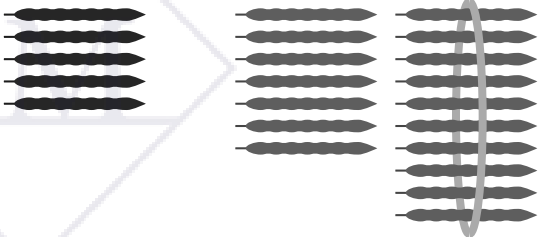
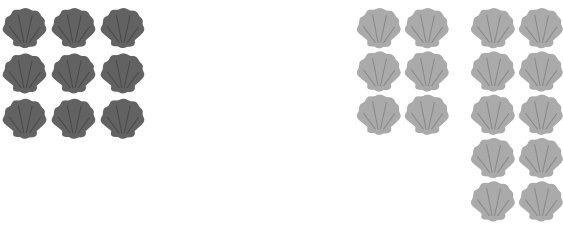


$$27 + 7 = \square$$

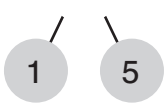
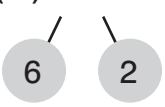
3 4

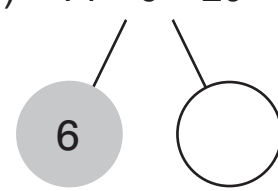
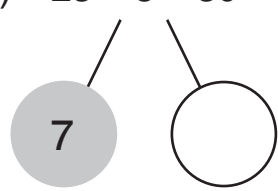
Practice

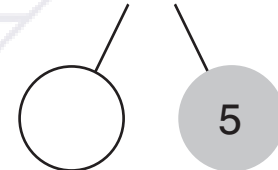
2 Add.

| | |
|---|--|
|  <p>$28 + 3 =$ <input type="text"/></p> |  <p>$17 + 6 =$ <input type="text"/></p> |
|  <p>$15 + 8 =$ <input type="text"/></p> |  <p>$23 + 9 =$ <input type="text"/></p> |
|  <p>$28 + 7 =$ <input type="text"/></p> |  <p>$26 + 6 =$ <input type="text"/></p> |
|  <p>$5 + 17 =$ <input type="text"/></p> |  <p>$9 + 16 =$ <input type="text"/></p> |

| | | | | | |
|--------------|---------------------|-----|---------------------|-----|---------------------|
| 3 (a) | $1 + \square = 10$ | (b) | $8 + \square = 10$ | (c) | $3 + \square = 10$ |
| (d) | $15 + \square = 20$ | (e) | $12 + \square = 20$ | (f) | $16 + \square = 20$ |
| (g) | $29 + \square = 30$ | (h) | $27 + \square = 30$ | (i) | $24 + \square = 30$ |

| | | | |
|--------------|--|-----|---|
| 4 (a) | $19 + 6 = 20 + \square$  | (b) | $8 + 28 = \square + 30$  |
| | $19 + 6 = \square$ | | $8 + 28 = \square$ |

| | | | |
|-----|--|-----|---|
| (c) | $14 + 9 = 20 + \square$  | (d) | $23 + 8 = 30 + \square$  |
| | $14 + 9 = \square$ | | $23 + 8 = \square$ |

| | | |
|-----|--|--------------------|
| (e) | $7 + 25 = \square + 30$  | $7 + 25 = \square$ |
|-----|--|--------------------|

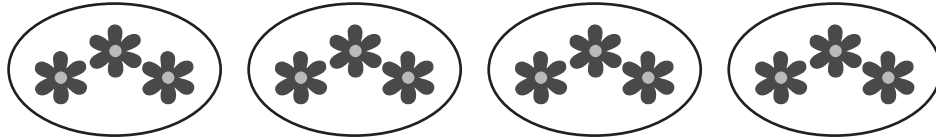
Chapter 14 Grouping and Sharing

Exercise 1

Basics

1

(a)



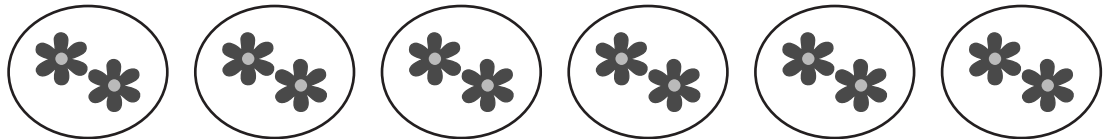
There are _____ equal groups.

There are _____ flowers in each group.

$$3 + 3 + 3 + 3 = \square$$

_____ threes is _____.

(b)

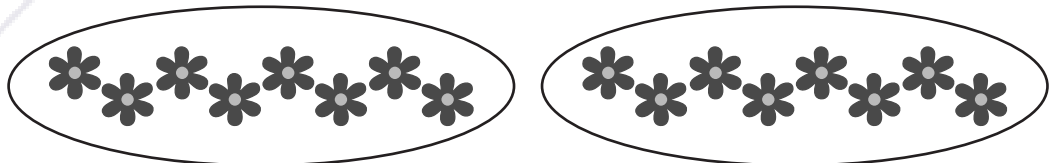


There are _____ groups of 2.

$$\square + \square + \square + \square + \square + \square = \square$$


_____ twos is _____.

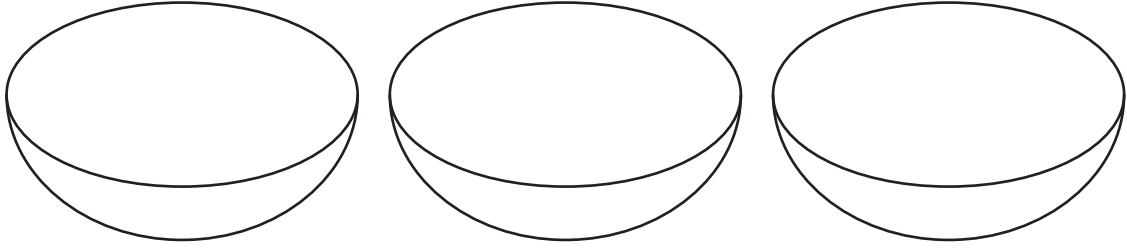
(c)



_____ eights is _____.

Practice

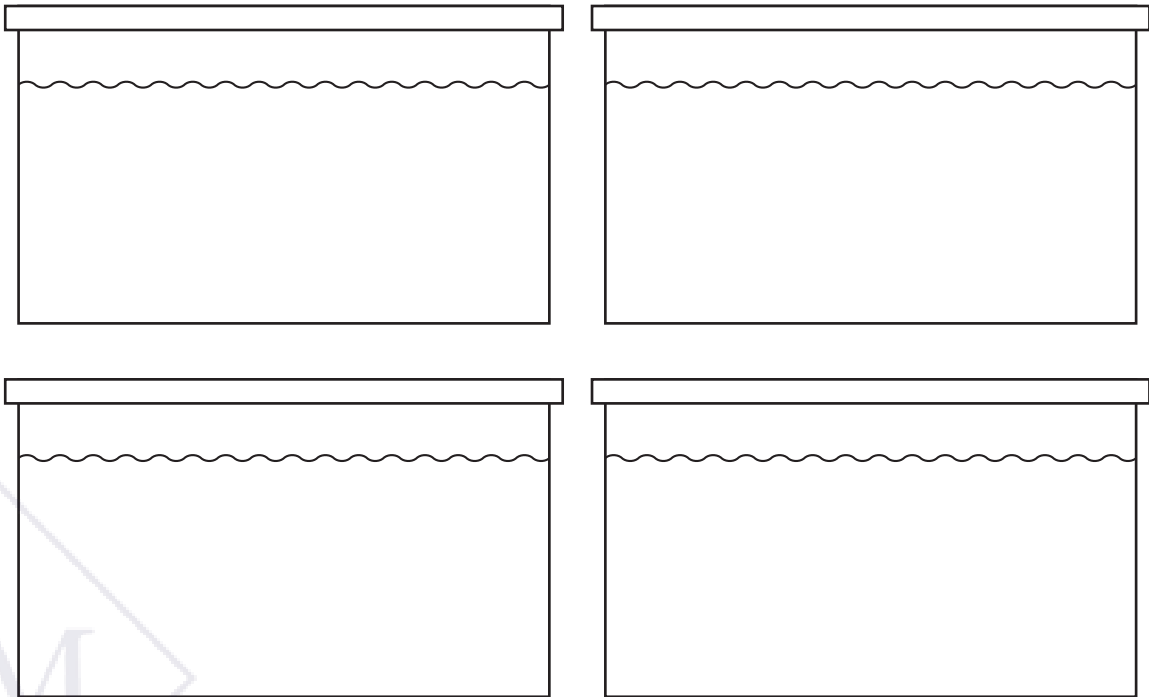
- 2 (a) Draw 3  in each bowl.



$$\square + \square + \square = \square$$

3 threes is _____.

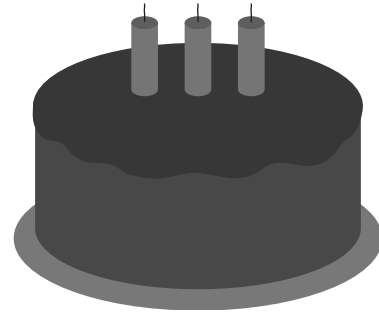
- (b) Draw 5  in each tank.



$$\square + \square + \square + \square = \square$$

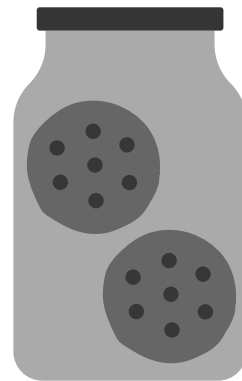
4 fives is _____.

- 7 There are 3 candles on each cake.
How many candles are on 5 cakes?



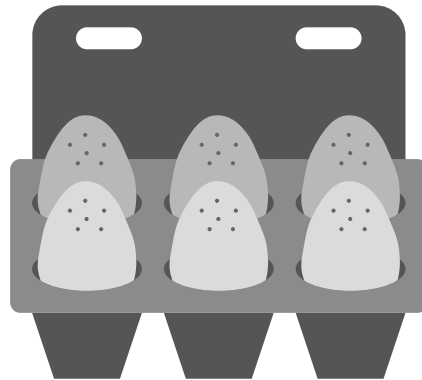
There are _____ candles on 5 cakes.

- 8 There are 2 cookies in each jar.
How many cookies are in 7 jars?



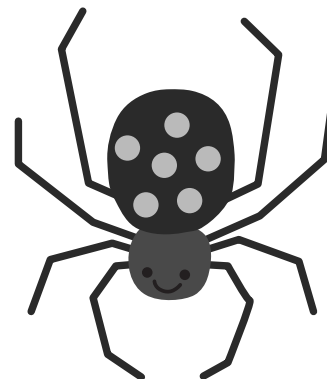
There are _____ cookies in 7 jars.

- 9 There are 6 eggs in each carton.
How many eggs are in 4 cartons?



There are _____ eggs in 4 cartons.

- 10 There are 8 legs on each spider.
How many legs are on 3 spiders?

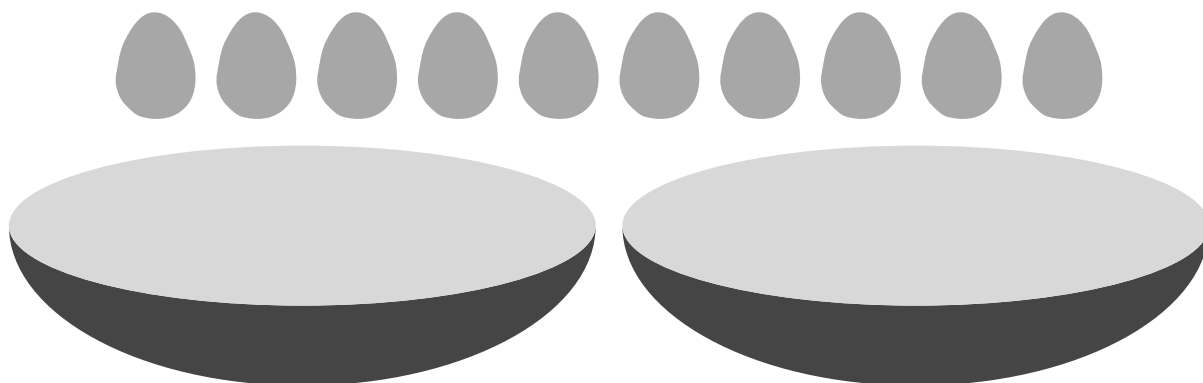


There are _____ legs on 3 spiders.

Exercise 2

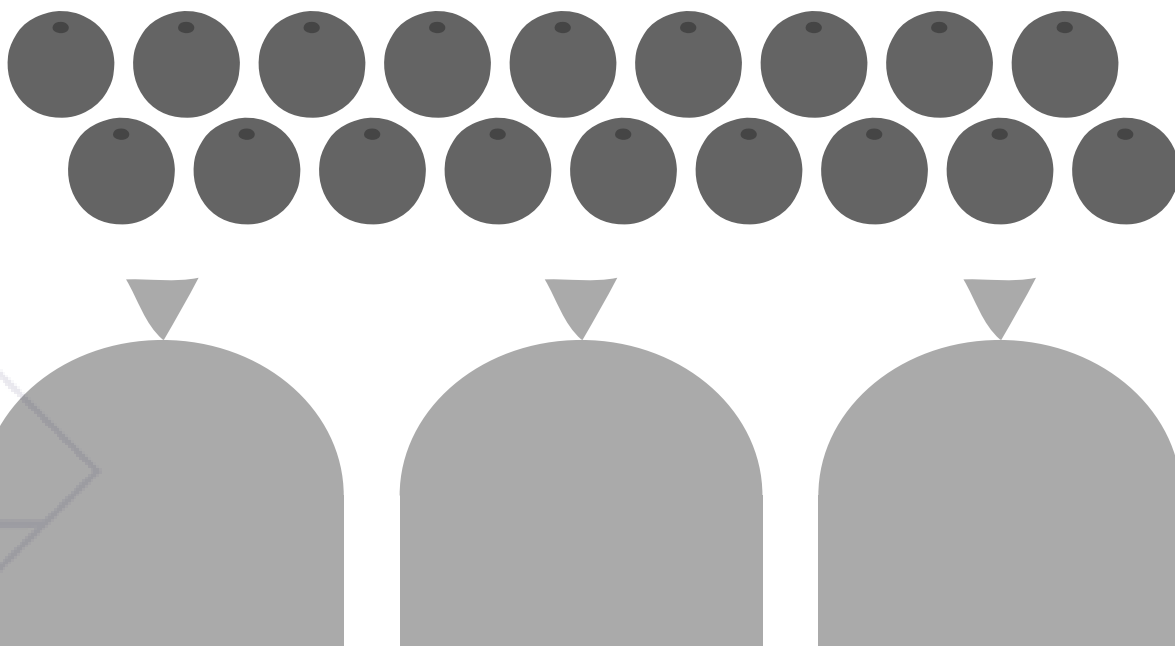
Basics

- 1 There are 10 eggs.
Put an equal number of eggs in each bowl.



There are _____ eggs in each bowl.

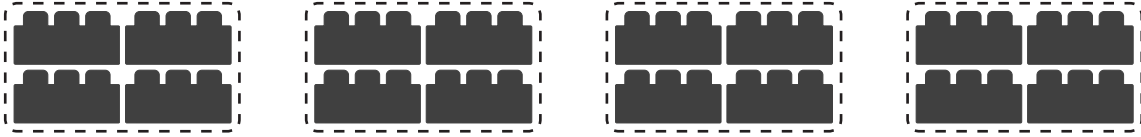
- 2 There are 18 oranges.
Put the 18 oranges equally into 3 bags.



There are _____ oranges in each bag.

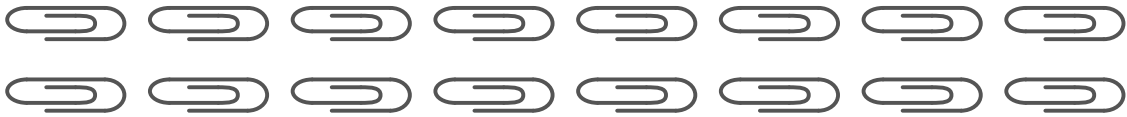
Practice

- 3 (a) Put 16 toy bricks equally into 4 groups.



There are _____ bricks in each group.

- (b) Put 16 paper clips equally into 2 groups.



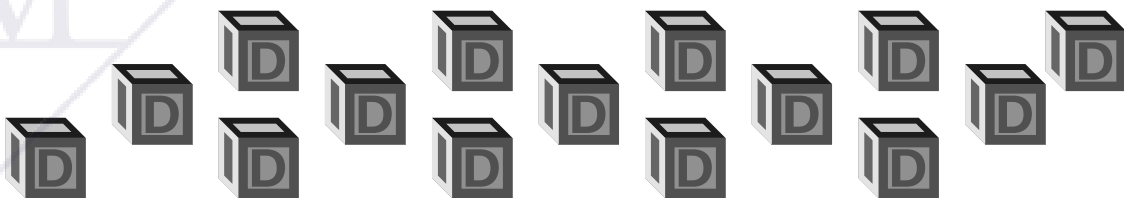
There are _____ paper clips in each group.

- (c) Put 18 balls equally into 6 groups.



There are _____ balls in each group.

- (d) Put 15 blocks equally into 5 groups.



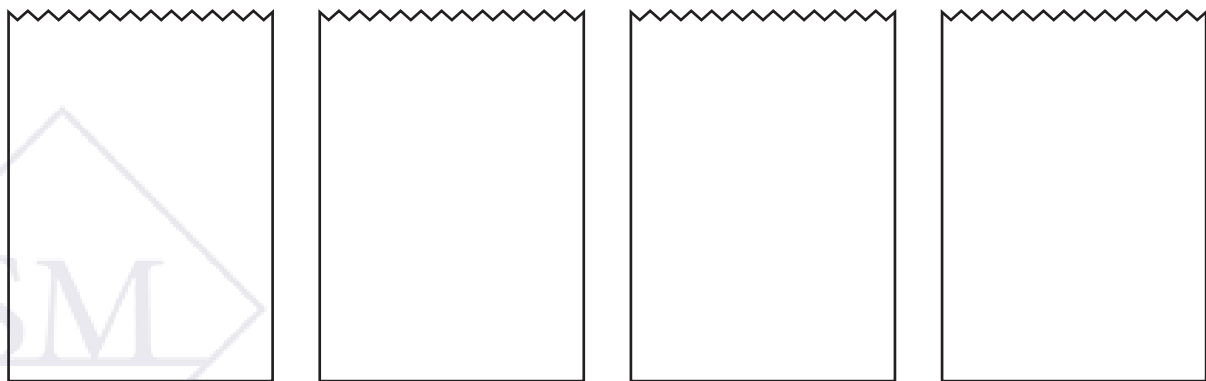
There are _____ blocks in each group.

- 6** Complete the table.
Use counters to help.

| Total | Number of equal groups | Number in each group |
|-------|------------------------|----------------------|
| 8 | 4 | 2 |
| 9 | 3 | |
| 12 | 4 | |
| 14 | 7 | |
| 20 | 2 | |
| 25 | 5 | |

Challenge

- 7** Eli had 15 cherries.
He put as many as he could equally into 4 bags and ate the rest.
How many did he eat?



He ate _____ cherries.

Chapter 15 Fractions

Exercise 1

Basics

1 Check ✓ the box if the rectangle has been cut in half.



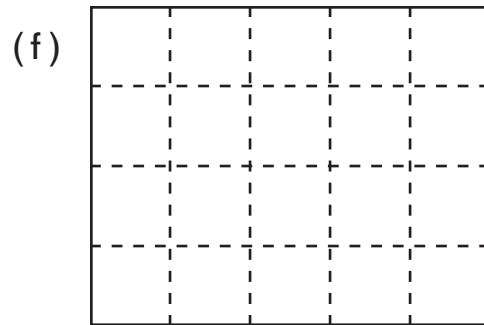
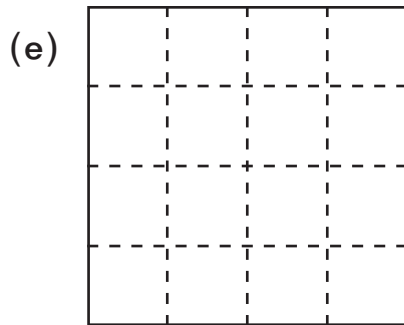
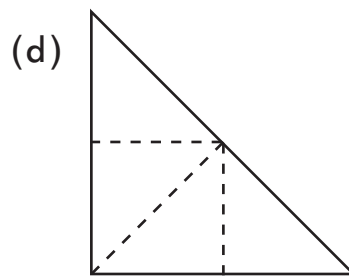
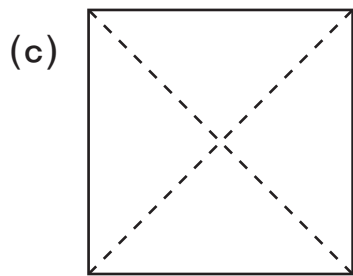
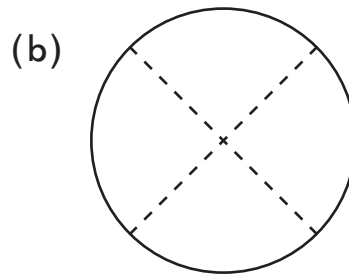
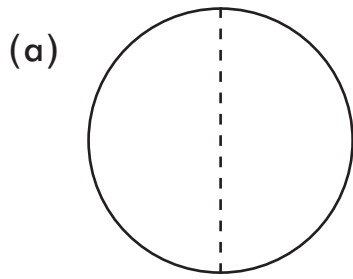
| | | |
|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2 Check ✓ the box if 1 half of the shape is shaded.

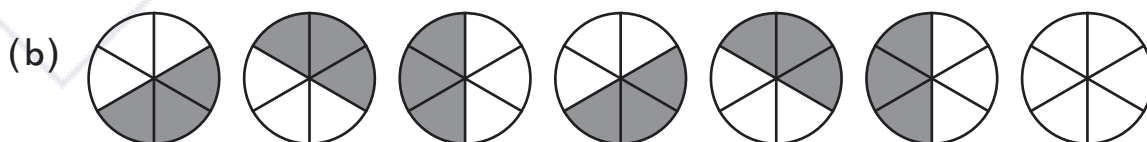
| | | |
|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Practice

3 Color 1 half of each shape.



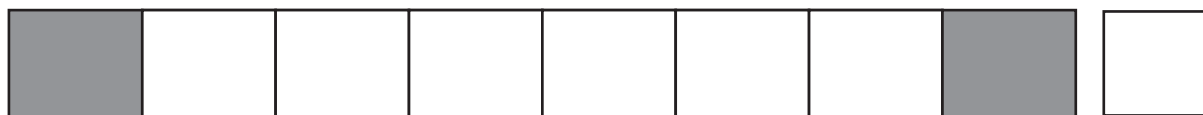
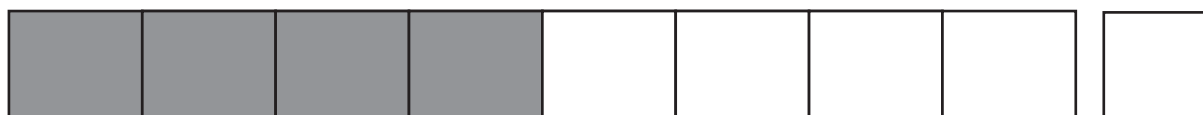
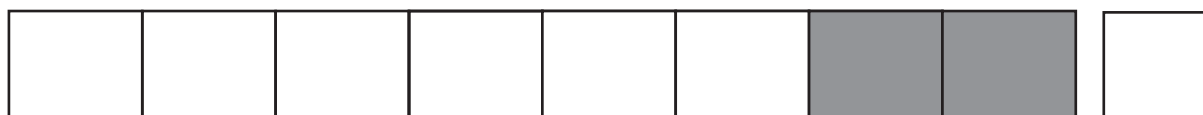
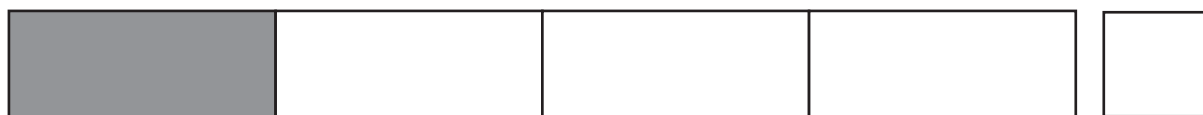
4 Color the last shape to continue the pattern.



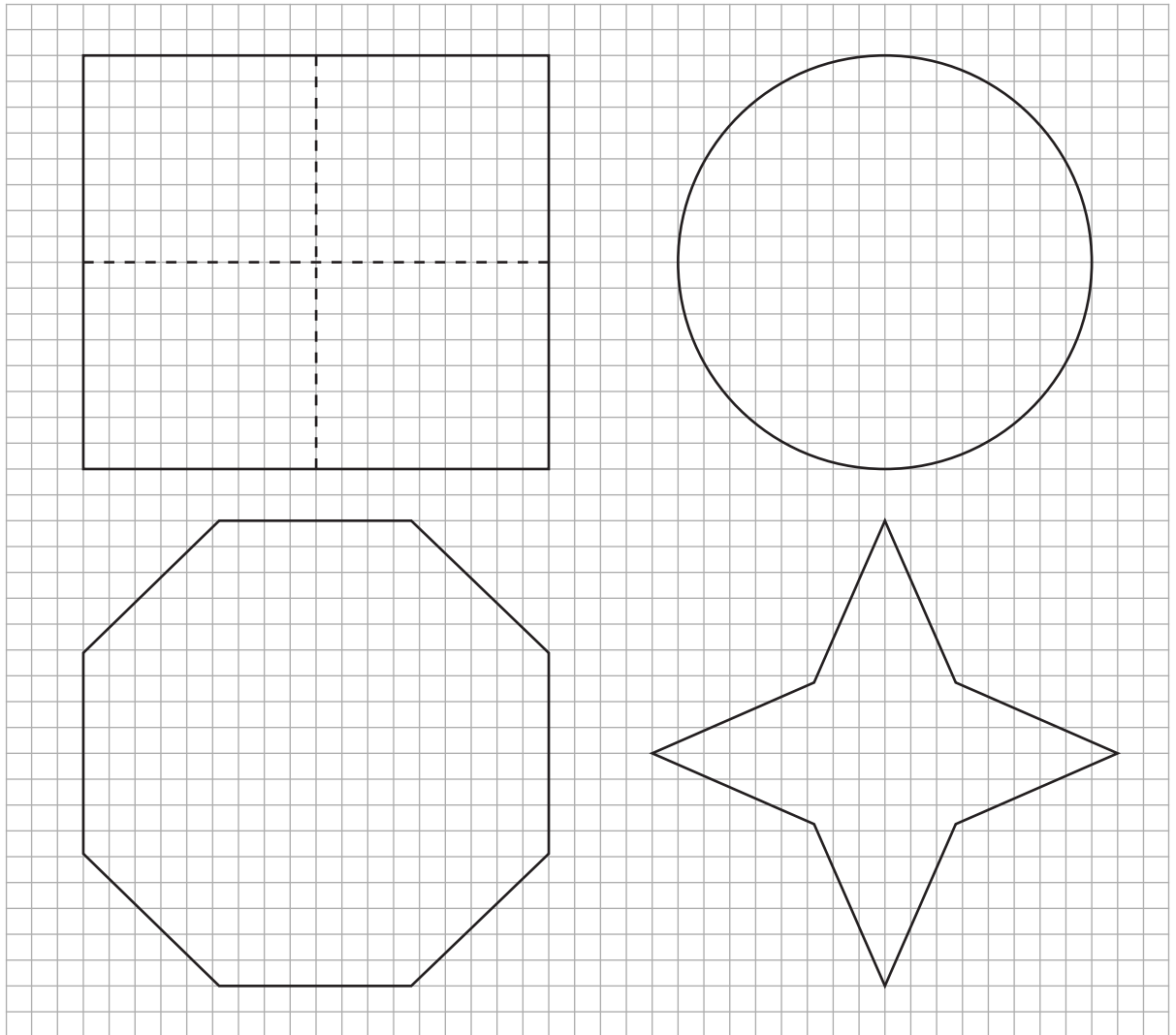
Exercise 3

Check

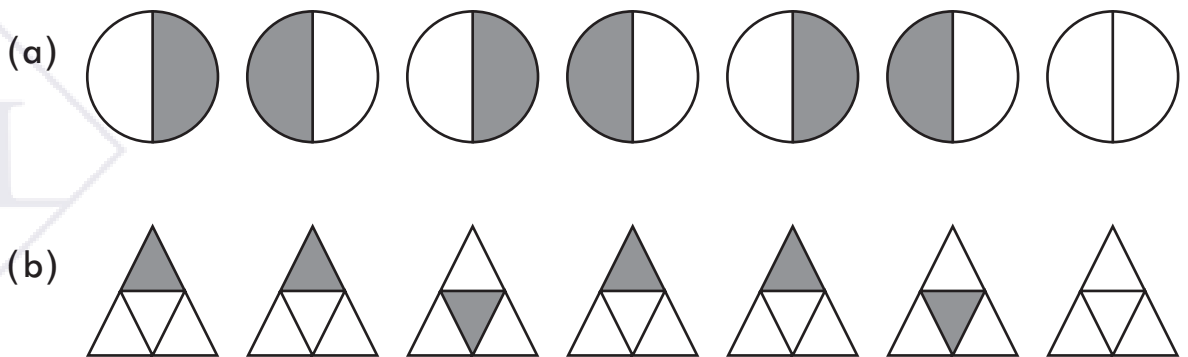
1 Check ✓ the box if 1 fourth of the bar is shaded.



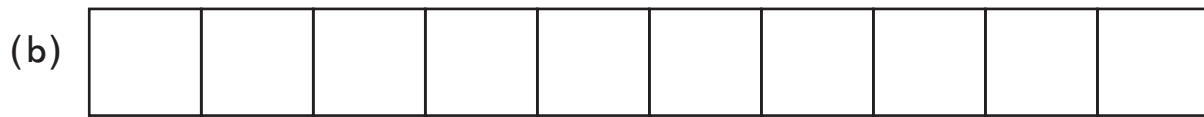
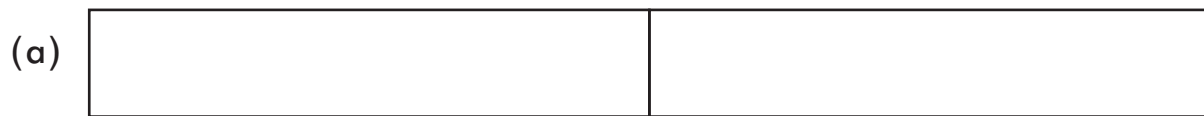
3 Draw 2 lines to cut each shape into fourths.



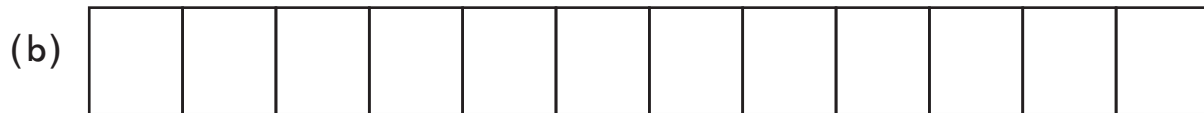
4 Color the last shape to continue the pattern.



5 Color 1 half of each bar.

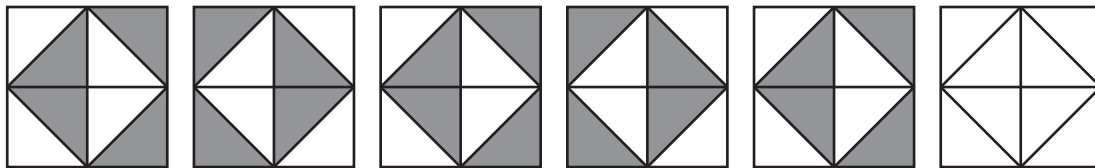


6 Color 1 fourth of each bar.

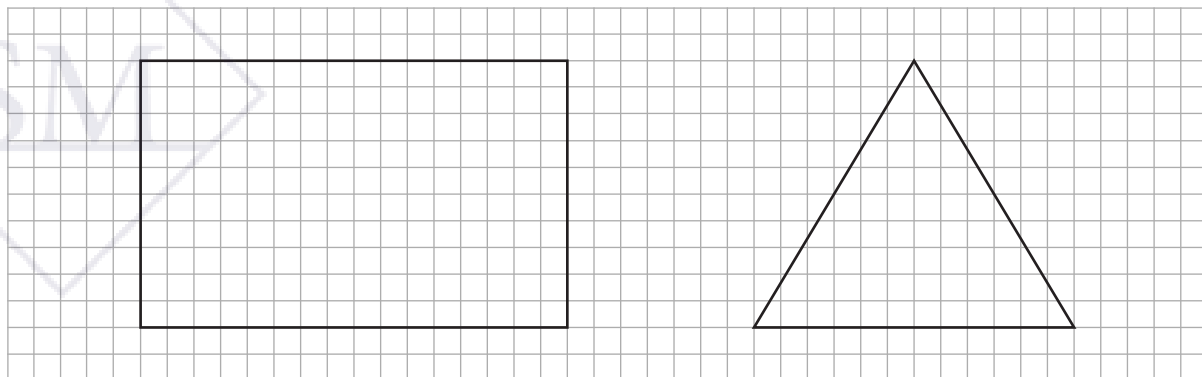


Challenge

7 Color the last shape to continue the pattern.



8 Draw 3 lines to cut each shape into fourths.



Exercise 6

Check

- 1 Write the numbers in order from least to greatest.

5 tens
3 ones

thirty-five

7 ones
3 tens

73

7 tens

2 (a) $3 + 4 =$

$23 + 4 =$

$23 + 60 =$

$23 + 64 =$

(b) $8 - 2 =$

$68 - 2 =$

$68 - 30 =$

$68 - 32 =$

(c) $6 + 8 =$

$46 + 8 =$

$40 + 30 =$

$46 + 30 =$

$46 + 38 =$

(d) $15 - 7 =$

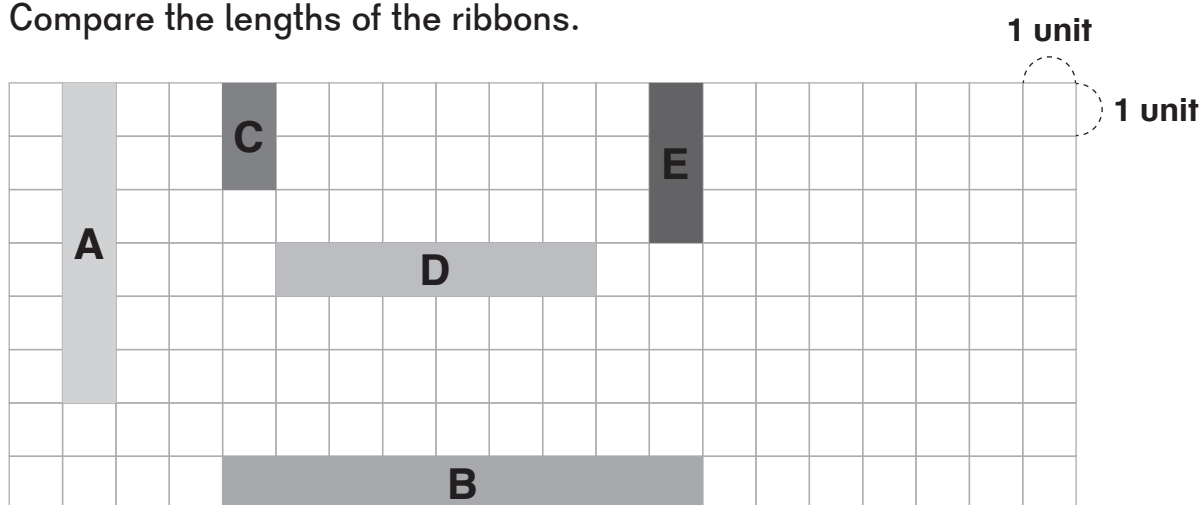
$90 - 7 =$

$95 - 7 =$

$95 - 50 =$

$95 - 57 =$

- 9 Compare the lengths of the ribbons.



- (a) Ribbon _____ is the longest.
- (b) Ribbon _____ and Ribbon _____ have the same length.
- (c) Ribbon B is _____ units longer than Ribbon A.
- (d) Ribbon E is _____ units shorter than shorter than Ribbon D.
- (e) Draw a ribbon on the grid that is 1 unit wide and 4 units long.
- (f) Draw a ribbon on the grid that is 1 unit wide and 2 units shorter than ribbon B.

- 10 Some trucks are in a line waiting to get on the ferry.
Sam's truck is the next one after the 13th truck.
There are 9 trucks behind Sam's truck.
How many trucks are in the line?

There are _____ trucks in the line.

11 These are Andrei's coins.



(a) Draw more circles to complete the graph.

| | | | | | | | | | |
|----------|---|---|---|---|--|--|--|--|--|
| pennies | ○ | ○ | ○ | ○ | | | | | |
| nickels | | | | | | | | | |
| dimes | | | | | | | | | |
| quarters | | | | | | | | | |

Each ○ stands for 1 coin.

- (b) Andrei has _____ coins.
- (c) The type of coin he has the most of is _____.
- (d) He has _____ more nickels than quarters.
- (e) He has 3 fewer quarters than _____.
- (f) The amount of money he has in nickels only is _____¢.
- (g) Andrei trades in all his dimes and nickels for the same amount of money in quarters.
He now has _____ quarters.

- 16** Jack has planted 38 seedling trees.
He has 8 more to plant.
How many seedling trees will he plant in all?

He will plant _____ trees.

- 17** Last summer, there were 36 buffaloes on a ranch.
This spring, there are 87 buffaloes.
How many new buffaloes are there are on the ranch?

There are _____ new buffaloes.

- 18** Martin is 7 years old.
His father is 27 years older than he is.
How old is Martin's father?

Martin's father is _____ years old.

- 19** Maya has 80¢.
She bought a snack and has 35¢ left.
How much did the snack cost?

The snack cost _____ ¢.

Challenge

- 20 Each symbol stands for a different number.
What number?

$$\star + \star + \star = \hexagon + \hexagon$$

$$\star = \square$$

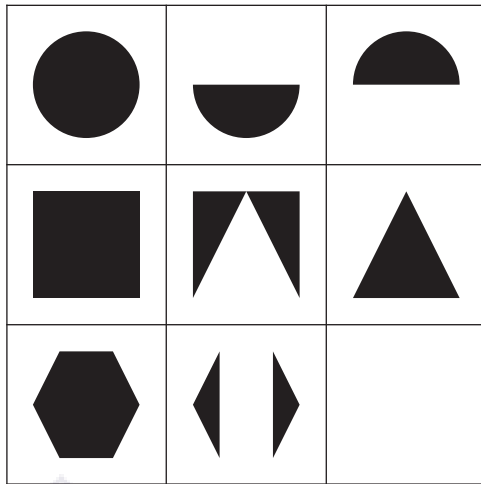
$$\star + \hexagon = 10$$

$$\diamond = \square$$

$$\diamond - \hexagon = 9$$

$$\hexagon = \square$$

- 21 Find the pattern.
Draw the missing figure.



- 22 Altogether, there are 3 tricycles and bicycles.
There are 8 wheels.
How many tricycles and how many bicycles are there?

