Think MENTALS™ 1

Maths Strategies and Practice

Making Maths Friendly

Mary Serenc

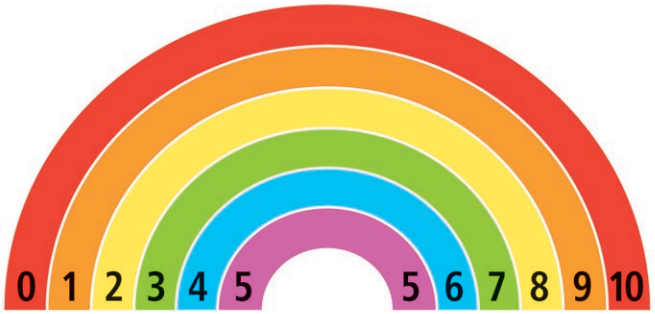
firefly education

Friends of 10

Use the Friends of 10 rainbow to find pairs of numbers that make 10.

Think

What is the friend of 8? Follow the colour to find the friend.



$8 + \boxed{?} = 10$ 2 8 $8 + \boxed{2} = 10$

Friends of 10 Facts

Day 1

1 $2 + \square = 10$

2 $6 + \square = 10$

3 $\square + 9 = 10$

4 $0 + \square = 10$

5 $7 + \square = 10$

6 $3 + \square = 10$

7 $\square + 8 = 10$

8 $5 + \square = 10$

9 $\square + 1 = 10$

10 $4 + \square = 10$

Practice

Q1–10: /10

My time:

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Day 2

Practice

1 $9 + \square = 10$

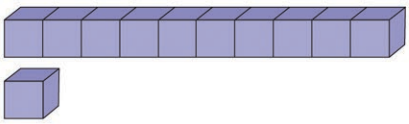
2 $\square + 3 = 10$

3 $0 + \square = 10$

4 $\square + 8 = 10$

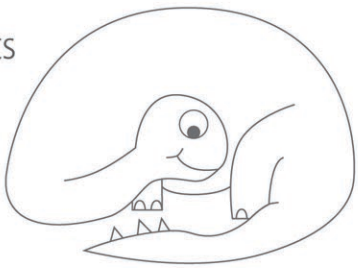
5 $5 + \square = 10$

6 How many altogether?

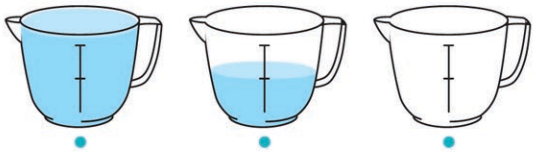


7 How many ice-blocks? Count in 2s.

8 Draw **14** spots on Dino.



9 Draw lines to match.



full | empty | half full

10 Cross out the object that is **not a sphere**.

Q1–5: /5 | 6–10: /5 | My time:

Day 3

Practice

1 $10 + \square = 10$

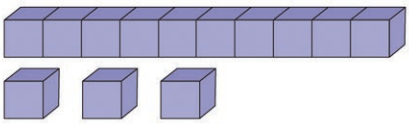
2 $6 + \square = 10$

3 $\square + 1 = 10$

4 $4 + \square = 10$

5 $\square + 2 = 10$

6 How many altogether?



7 How many ears? Count in 2s.

8 Draw **12** teeth.

9 Colour the glass to show **half full**.

10 Cross out the object that is **not a cone**.

Q1–5: /5 | 6–10: /5 | My time:

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Day 4

Practice

1 $1 + \square = 10$

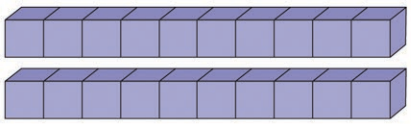
2 $4 + \square = 10$

3 $\square + 5 = 10$

4 $\square + 7 = 10$

5 $8 + \square = 10$

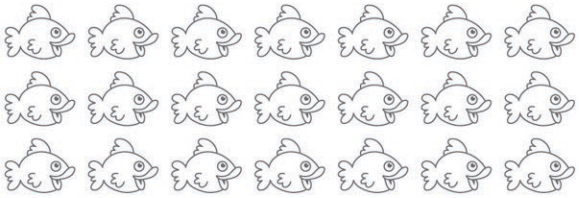
6 How many altogether?



7 Draw 4 chickens.

How many legs? ☐

8 Colour **20** fish.

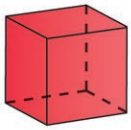


9

1 glass is empty. ◯ yes ◯ no

3 glasses are full. ◯ yes ◯ no

10 What is the name of this 3D object?



____ ____ ____ ____

Q1–5: /5 | 6–10: /5 | My time:

Day 5

Assessment

1 $5 + \square = 10$

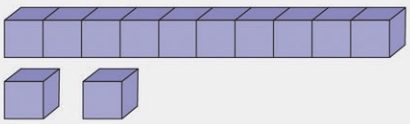
2 $\square + 2 = 10$

3 $6 + \square = 10$

4 $\square + 0 = 10$

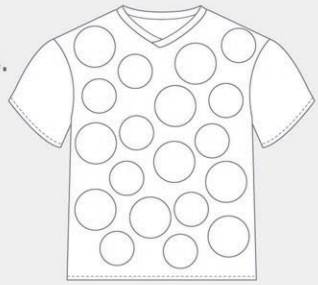
5 $7 + \square = 10$

6 How many altogether?



7 How many eyes? Count in 2s.

8 Colour **15** spots.



9 Colour to show

empty half full full

10 Cross out the object that is not a cylinder.

Q1–5: /5 | 6–10: /5 | My time:

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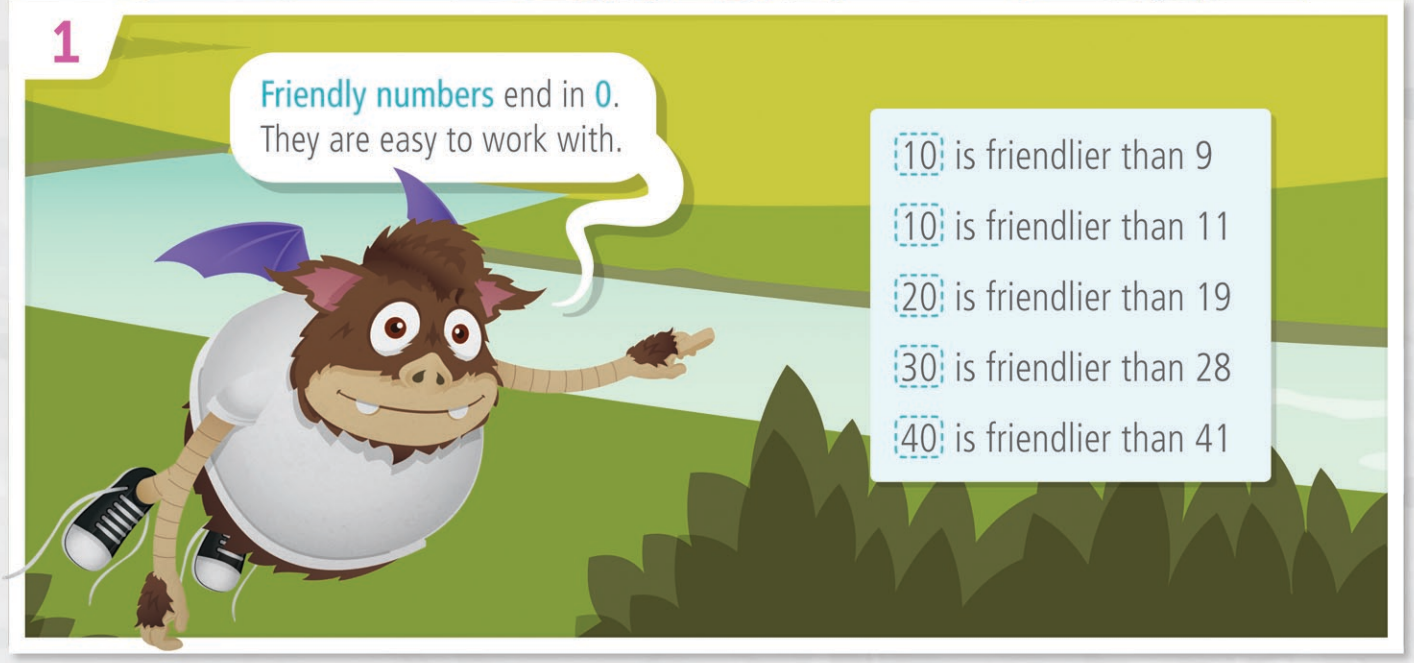
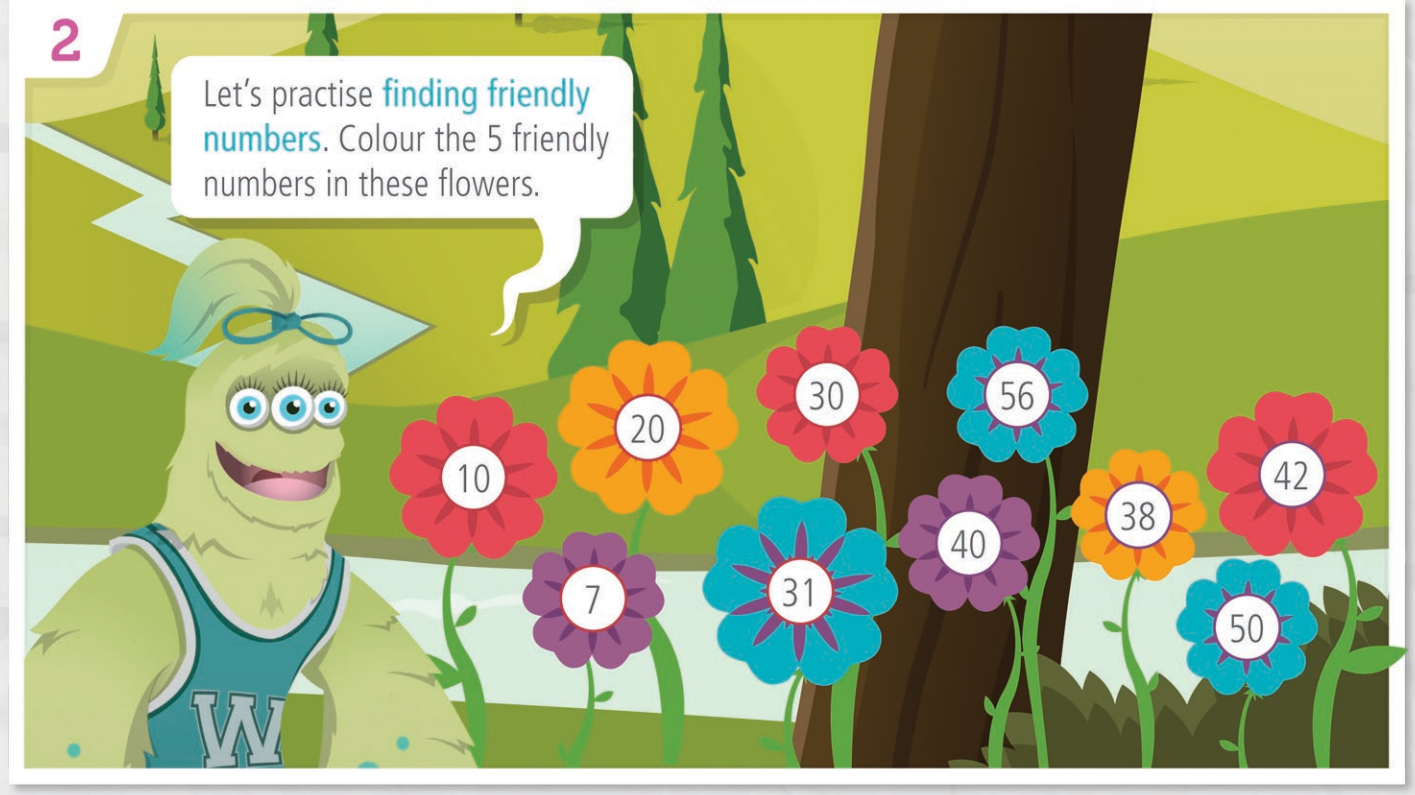
Making Maths Friendly

1



2



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3

Sometimes you can find pairs of numbers that add up to a **friendly number**.

Find the **friendly pairs** that add up to 10 and circle them. Use the **Friends of 10** rainbow to help you.

Friends of 10 Facts

(5) + (5) + 7	3 + 9 + 1
2 + 6 + 8	6 + 4 + 5

4

What if I can't **find** a friendly number?

12 8 9 11

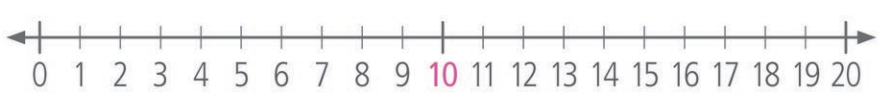
Don't worry, there's not always a friendly number to find – sometimes you need to **make** a friendly number.

5

First, **find** the number in each addition that is closest to a **friendly number**. You can use a **number line** to help you.

(9) + 6	4 + 11
8 + 5	12 + 6

0–20 Number Line



BUSTER

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6

Now, **count on** or **count back** to **make these numbers friendly** and show how you did it.

friendly

9	11	8	12
+1	−1	☐	☐
10	10	10	10

7

You can also **make** friendly numbers by breaking larger numbers into friendlier parts.

Can you **make** these numbers friendly?

13 = 10 + 3

21 =

17 =

29 =

8

How did you go?
Tick the boxes below to show what you know!

- A friendly number ends in a 0 ☐
- Friendly numbers make maths easier ☐
- How to **find** friendly numbers ☐
- How to **make** friendly numbers ☐

9

Well done!
Now that you know the basics, let's get started.

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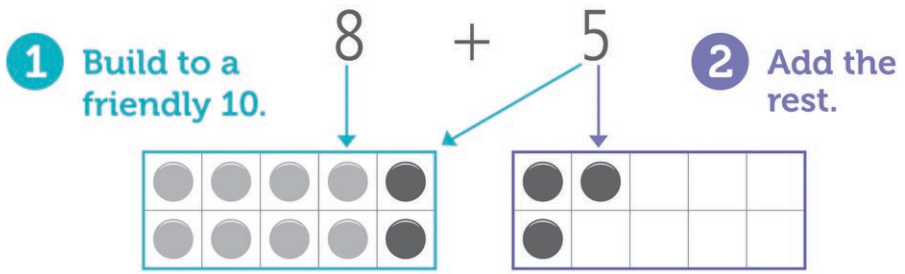
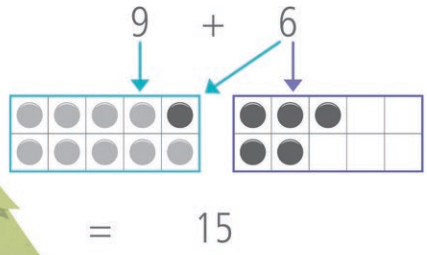
Addition Strategy

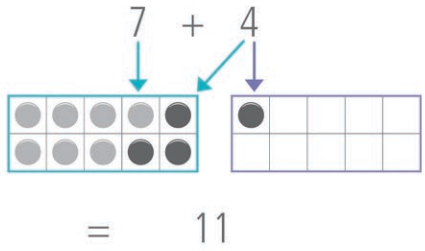
Build to 10

Build to a friendly 10 to make the addition easier.



Other Examples





Day 1

1	9 + 4				
2	8 + 6				
3	8 + 4				
4	9 + 5				
5	9 + 7				

Practice

Q1–5: /5

My time:

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Day 2

Practice

1 9 + 3 = ☐

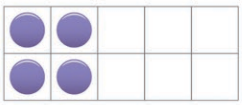
2 7 + 5 = ☐

3 8 add 4 = ☐

4 9 + 4 = ☐

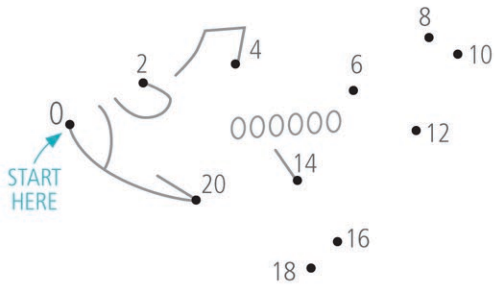
5 5 + 7 = ☐

6 Add more dots to **make 7**.



4 + ☐ = 7

7 Join the dots. Count in 2s.



8 How much? Count in 10s.

☐ c

9 Circle the ball that is **furthest** from the sports bag.

10 Match.

narrow

wide

Q1–5: /5 | 6–10: /5 | My time:

Day 3

Practice

1 7 + 6 = ☐

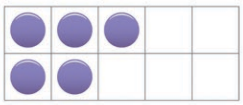
2 8 add 5 = ☐

3 6 + 8 = ☐

4 8 + 9 = ☐

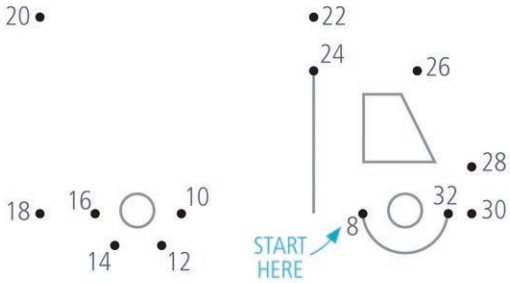
5 9 + 8 = ☐

6 Add more dots to **make 9**.



5 + ☐ = 9

7 Join the dots. Count in 2s.

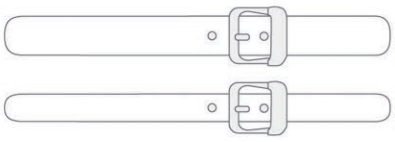


8 How much? Count in 10s.

☐ c

9 Colour the worm **closest** to the apple.

10 Colour the **wider** belt.



Q1–5: /5 | 6–10: /5 | My time:

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Day 4

Practice

1 4 add 8 ☐

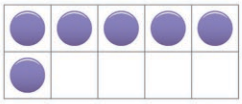
2 4 + 9 ☐

3 7 + 4 ☐

4 9 add 5 ☐

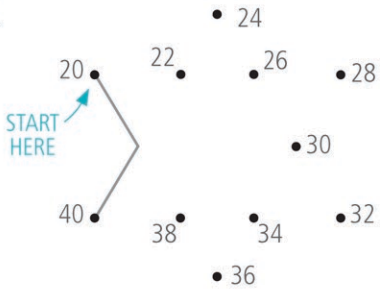
5 8 + 7 ☐

6 Add more dots to **make 10**.



6 + ☐ = 10

7 Join the dots. Count in 2s.



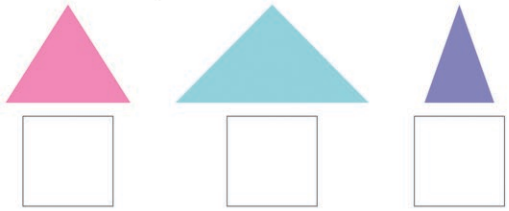
8 How much? Count in 10s.

☐ c

9 The duck is at the **bottom** of the slide.

○ yes ○ no

10 Order 1–3, **narrowest** to **widest**.



☐ ☐ ☐

Q1–5: /5 | 6–10: /5 | My time:

Day 5

Assessment

1 9 + 6 ☐

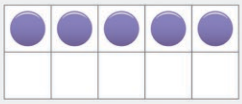
2 7 add 5 ☐

3 8 + 6 ☐

4 9 + 7 ☐

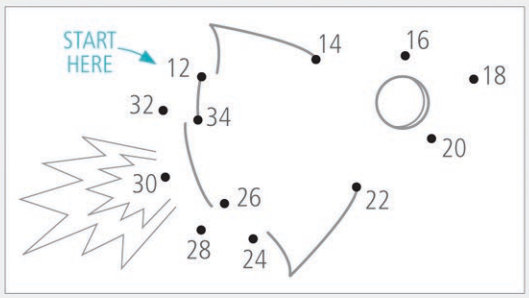
5 8 + 4 ☐

6 Add more dots to **make 8**?



5 + ☐ = 8

7 Join the dots. Count in 2s.



8 How much? Count in 10s.

☐ c

9 Draw a duck at the **top** of the slide.

10 Colour the ruler that is **narrower**.

Q1–5: /5 | 6–10: /5 | My time:

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Day 1

Revision

1 $5 + 5 = \square$

2 $8 + \square = 10$

3 $\square + 4 = 10$

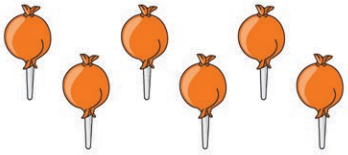
4 $9 + \square = 10$

5 $10 + \square = 10$

6 Write the missing numbers.

8, 7, 6, ☐, 4, ☐, 2

7 Circle groups of 2.

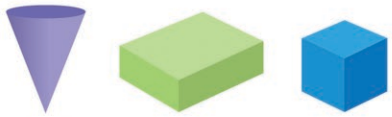


☐ groups of 2.

8 Which orange is cut into **halves**?

9 Order 1–3, to show a glass of juice being drunk.

10 Which object is a **cube**?



Q1–5: /5 | 6–10: /5 | My time:

Day 2

Revision

1 $2 + \square = 10$

2 $6 + \square = 10$

3 $\square + 3 = 10$

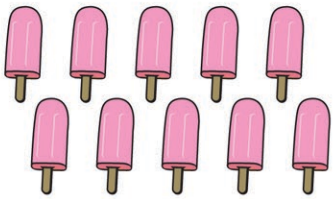
4 $7 + \square = 10$

5 $1 + 9 = \square$

6 Write the missing numbers.

12, 11, ☐, 9, 8, ☐, 6

7 Circle groups of 2.



☐ groups of 2.

8 Which sandwich is cut into **halves**?

9 Order 1–3, to show a mouse being drawn.

10 Which object is a **cylinder**?

Q1–5: /5 | 6–10: /5 | My time:

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Day 3

Revision

1 $5 + \square = 10$

2 $\square + 3 = 10$

3 $2 + 8 = \square$

4 $8 + \square = 10$

5 $\square + 10 = 10$

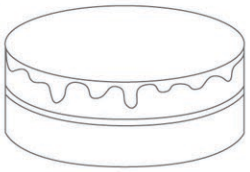
6 Write the missing numbers.

16, 15, ☐, 13, ☐, 11, 10

7 Circle groups of 2.

☐ groups of 2.

8 Draw a line to cut the cake into **halves**.



9 Order 1–3, to show an apple being eaten.

☐ ☐ ☐

10 Which object is a **pyramid**?

⬭ ⬭ ⬭

Q1–5: /5 | 6–10: /5 | My time:

Day 4

Revision

1 $\square + 7 = 10$

2 $4 + \square = 10$

3 $9 + \square = 10$

4 $\square + 6 = 10$

5 $10 + \square = 10$

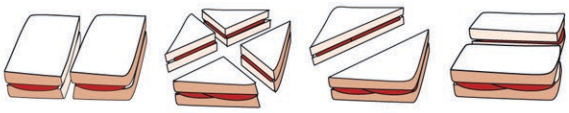
6 Write the missing numbers.

20, 19, 18, ☐, 16, ☐, 14

7 Circle groups of 3.

☐ groups of 3.

8 Which sandwich is **not** cut into **halves**?



⬭ ⬭ ⬭ ⬭

9 Order 1–4, to show a gingerbread cookie being eaten.

☐ ☐ ☐ ☐

10 Which object is a **rectangular prism**?

⬭ ⬭ ⬭

Q1–5: /5 | 6–10: /5 | My time:

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Day 5

1 ☐ + 8 = 10

2 ☐ + 1 = 10

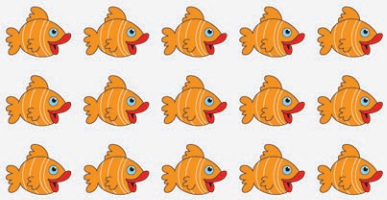
3 6 + 4 = ☐

4 5 + ☐ = 10

5 0 + ☐ = 10

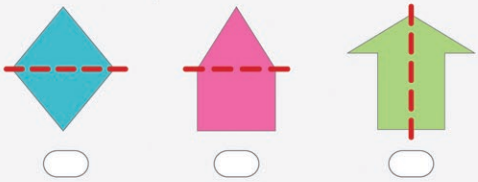
6 18, 17, ☐, ☐, 14, 13, 12

7 Circle groups of 3.

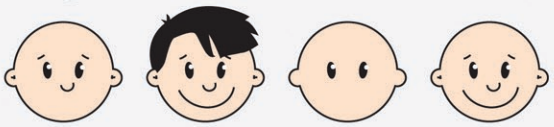


☐ groups of 3.

8 Which shape does **not** show **halves**?



9 Order 1–4, to show a face being drawn.



10 Which object is a **cone**?

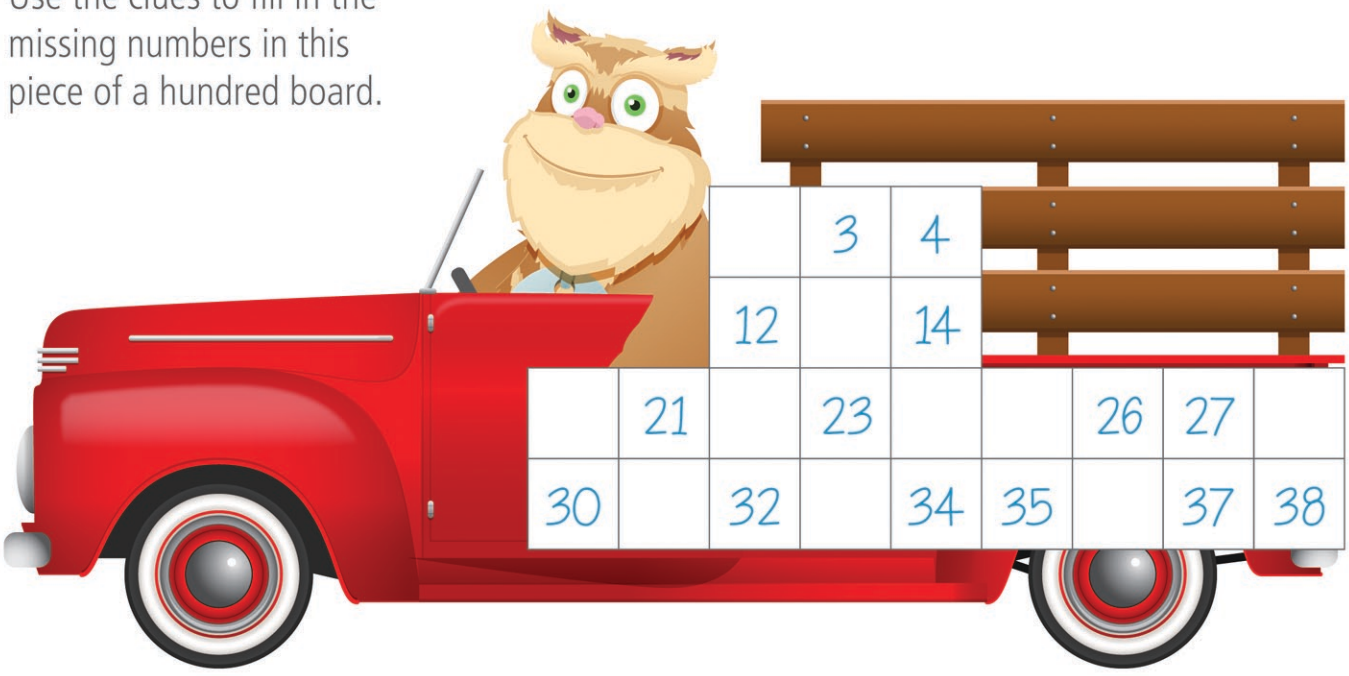
Assessment

Q1–5: /5	Q6–10: /5	My time:

Think Box

Brmmm!

Use the clues to fill in the missing numbers in this piece of a hundred board.



			3	4					
			12		14				
	21		23			26	27		
30		32		34	35		37	38	

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