Cotsford
Primary School

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Home learning

Year 2
Autumn 2

English and Topic activities

Retell our new story, 'The Story of Pirate Tom'. Add some expression and actions. Then draw a story map to match.

The Story of Pirate Tom

Long, long ago, there was a pirate called Tom who lived on a great big boat called 'The Jolly Roger'. Unfortunately, Tom and the other pirates were unhappy because they wanted some treasure. What could they do? One rainy day, they sailed all the way to Rockabilly Island.

They dug down deep but all that they found was a smelly sock and a rotten old boot! The poor pirates cried and they cried and they cried.

Later that night, the clouds were growing larger and larger and the rain was pouring harder and harder. All night the waves smashed against the great big boat. The poor pirates couldn't sleep a wink.

Luckily, the next morning it was sunny so Pirate Tom went for a swim. Deep down in the warm water, he saw something glittering and gleaming. It was a box of treasure! They were the brightest coins Tom had ever seen. 'Yo, ho, ho, me hearties. I've found treasure', shouted Tom.

All day long the pirates searched the warm water. In the end, they were so rich they never had to look for treasure again.

Can you sort the words from our new story into the table?

nouns	**adjectives**	**verbs**
Tom	big	dug

Remember a noun is a person, a place or a thing. An adjective is a word that describes a noun. A verb is a doing word.

How many of the words can you use in your own sentences?

Remember capital letters, full stops and finger spaces.

Look at the different pictures of pirates.

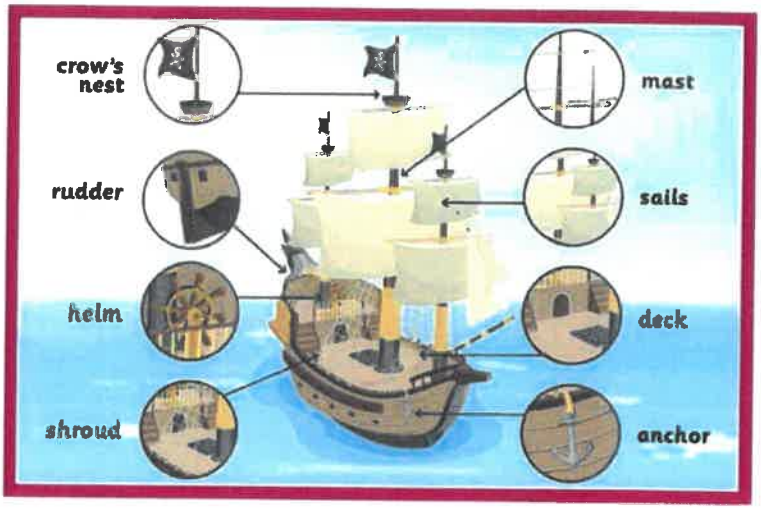


Use your ideas to write descriptive sentences about a pirate. Include details such as what the pirate looks like, says, does, likes and dislikes.

Imagine you are a pirate. Describe what you can see, hear, smell, feel and taste.

Research the famous explorer Captain James Cook. Keep a note of all of the facts and questions you can find about him.

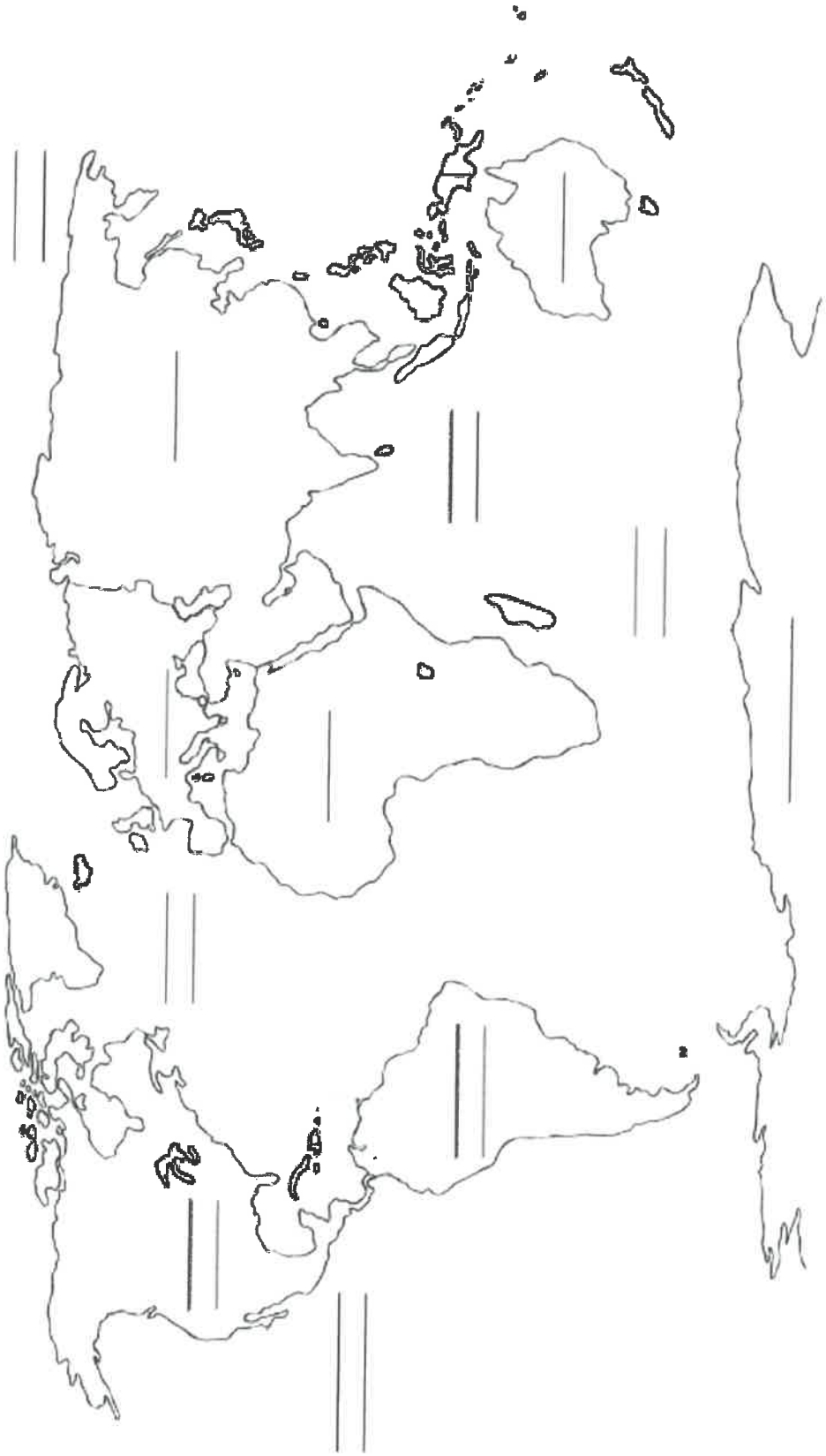
Make a detailed drawing of a ship typical of Captain Cook's. Label each part, such as hold, keel, gallery, rudder, main deck, quarter deck, poop deck, mast and sails. I've included an example.



Design and make your own boat either for an explorer like Captain Cook or for a pirate!

Label the 7 continents and 5 oceans.

World Map Continents and Oceans Labeling



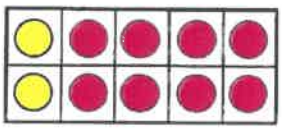
0 1 2 3 4 5 6 7 8 9 10

11 12 13 14 15 16 17 18 19 20

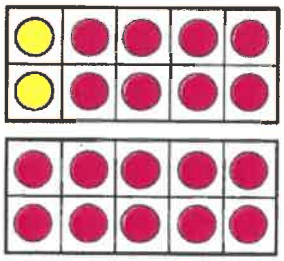
Find and make number bonds

1 Complete the additions to match the ten frames.

a)

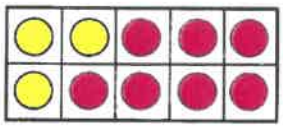


____ + ____ = ____

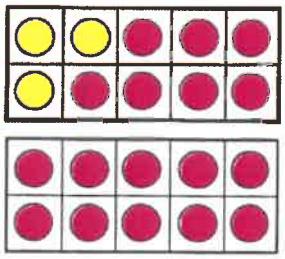


____ + ____ = ____

b)



____ + ____ = ____



____ + ____ = ____

c) What do you notice?

2 Complete the number bonds.

a) 4 + 6 = ☐

4 + 16 = ☐

b) 5 + 5 = ☐

5 + 15 = ☐

c) 10 = ☐ + 1

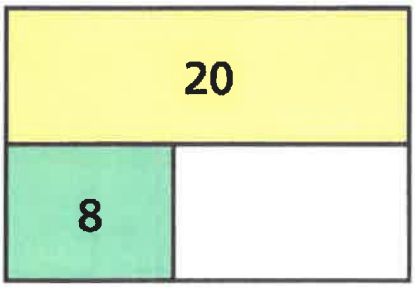
20 = ☐ + 1

d) 10 = 3 + ☐

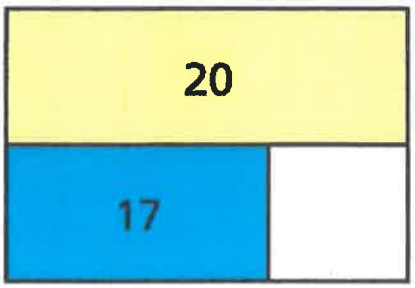
20 = ☐ + 13

3 Complete the bar models.

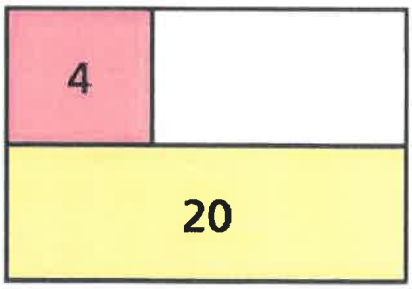
a)



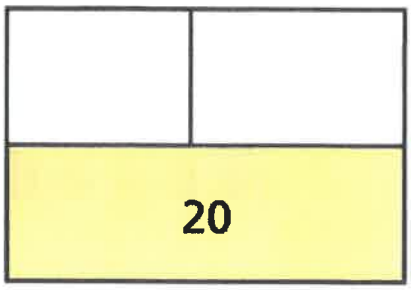
b)



c)



d)



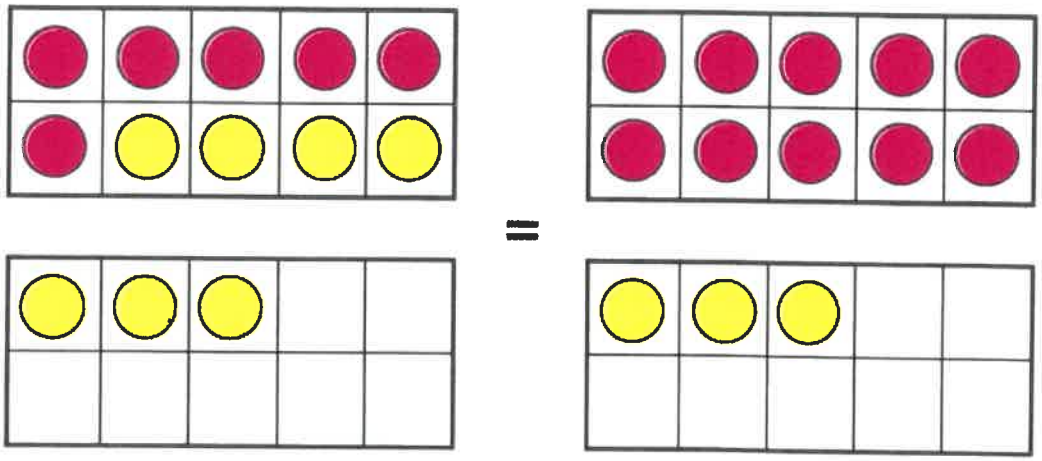
4 Colour all the number bonds to 20

14 + 3	17 + 3	2 + 18	0 + 20	3 + 16	9 + 11	17 + 3	18 + 2	2 + 0
18 + 1	3 + 7	12 + 7	5 + 15	4 + 8	1 + 19	13 + 5	20 + 0	1 + 15
11 + 8	11 + 9	19 + 1	3 + 17	10 + 0	13 + 7	16 + 2	8 + 12	5 + 5
5 + 6	4 + 16	19 + 0	10 + 1	2 + 0	14 + 6	17 + 1	11 + 9	11 + 8
12 + 5	12 + 8	18 + 2	15 + 5	4 + 15	16 + 4	10 + 10	15 + 5	13 + 3

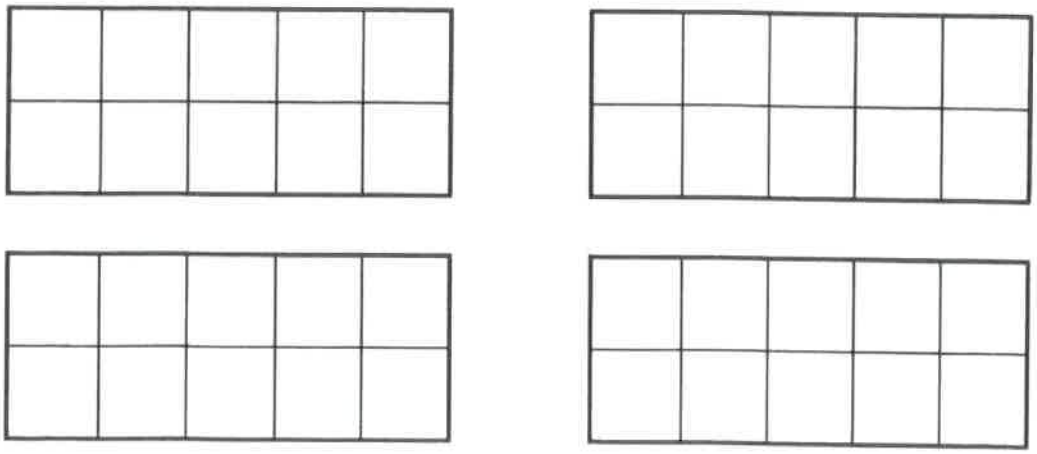
Make your own puzzle like this.

Add by making 10

1 The ten frames show that 6 + 7 is the same as 10 + 3



Draw counters to show that 5 + 6 is the same as 10 + 1



2 Complete the additions.

Use ten frames to help you.

a) 8 + 3 = 10 + ☐

b) 9 + 7 = 10 + ☐

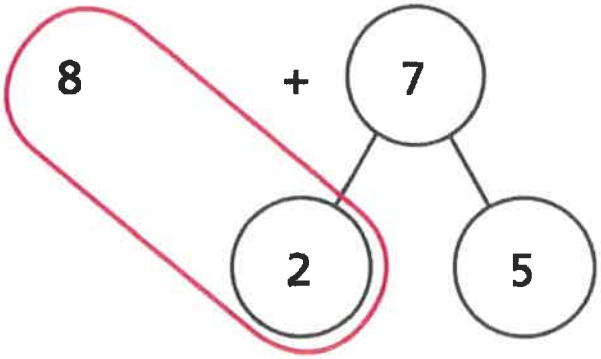
c) 7 + 5 = 10 + ☐

d) 6 + 8 = 10 + ☐

3 Use number bonds to complete the additions.

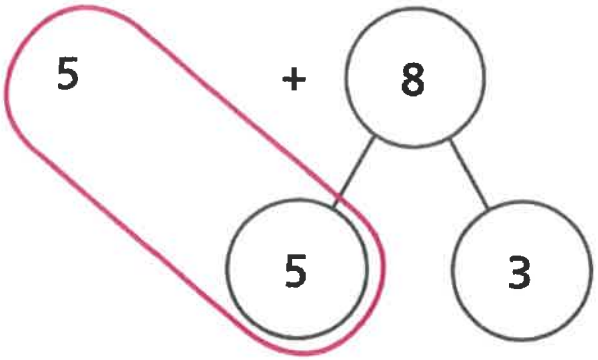
The first one has been done for you.

a)



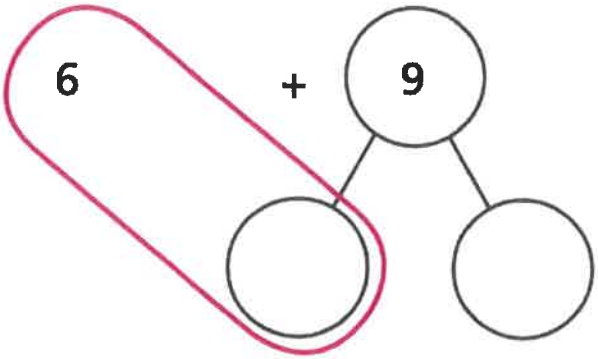
10 + 5 = 15

b)



10 + 3 = ☐

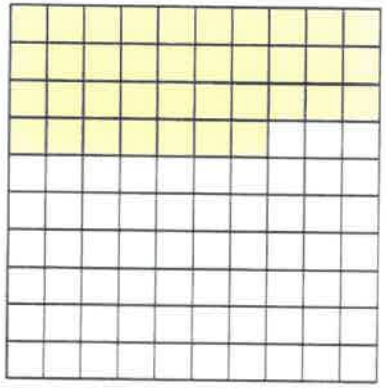
c)



☐ + ☐ = ☐

Bonds to 100 (tens and ones)

1 Here is a hundred square.



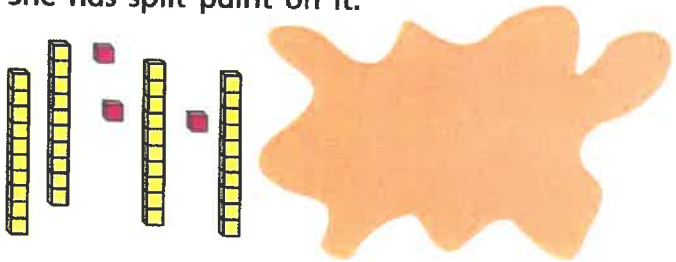
How many squares are shaded? ☐

How many squares are not shaded? ☐

☐ + ☐ = 100

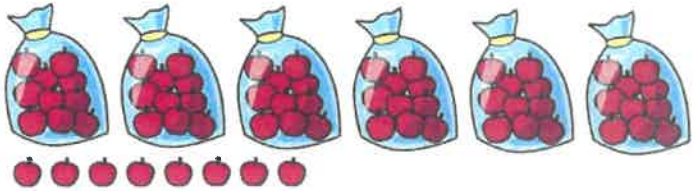
2 Eva has made 100 using base 10

She has spilt paint on it.



Draw the missing pieces of base 10

3 Mrs Harris has these apples for Sports Day.



She needs 100 apples.

How many more apples does Mrs Harris need?

☐

4 Complete the bar model.

100	
41	

5 Complete the calculations.

a) 40 + ☐ = 100

b) ☐ + 70 = 100

c) 100 = ☐ + 72

d) 100 = 28 + ☐

e) 100 – 50 = ☐

f) 100 – 37 = ☐

g) ☐ = 100 – 22

h) 8 = 100 – ☐

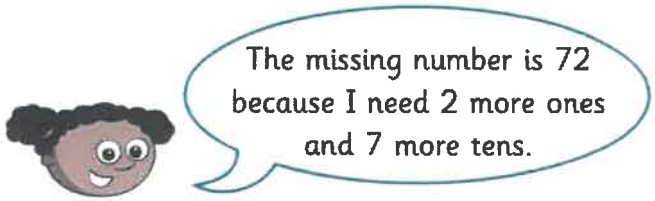
6 A coat costs £100

Mr Farmer has £58

How much more money does Mr Farmer need to buy the coat?

☐

7 Whitney is working out 38 + ☐ = 100



Do you agree with Whitney? _____

Explain your answer.

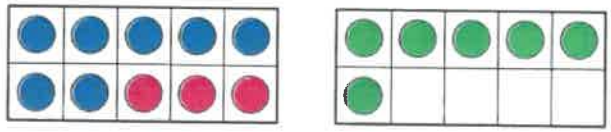
_____

_____

Talk about it with a partner.

Add three 1-digit numbers

1 What addition is represented?



☐ + ☐ + ☐ = ☐

2 Complete the additions.

5 + 8 + 2 = ☐

5 + 2 + 8 = ☐

8 + 2 + 5 = ☐

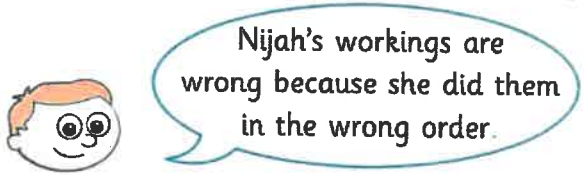
Which was the easiest?

Talk about it with a partner.

3 Nijah is working out 9 + 4 + 1

Here are her workings.

9 + 1 = 10
10 + 4 = 14



Do you agree with Ron? _____

Explain your answer.

_____

_____

4 Complete the additions.

a) 7 + 3 + 5 = ☐

b) 8 + 9 + 1 = ☐

c) 6 + 6 + 4 = ☐

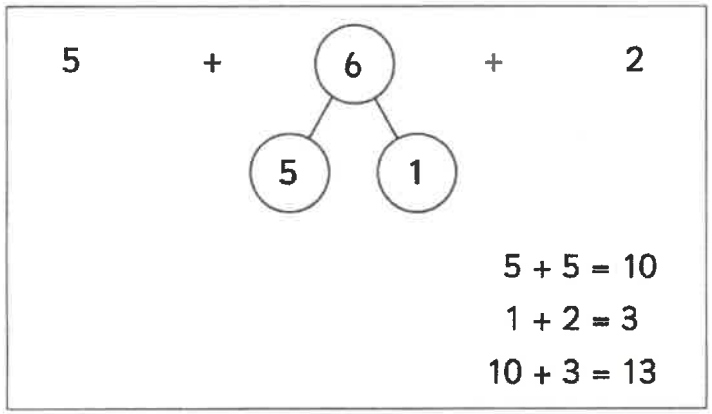
d) 9 + 3 + 7 = ☐

e) 5 + 5 + 5 = ☐

f) 2 + 9 + 8 = ☐

5 Annie is working out 5 + 6 + 2

Here are her workings.



Talk about Annie's method with a partner.

Use Annie's method to complete the additions.

a) 9 + 4 + 1 = ☐

b) 7 + 8 + 2 = ☐

c) 8 + 3 + 1 = ☐

d) 3 + 6 + 5 = ☐

6 Here are some digit cards.

8	6	4	1	5

a) What is the greatest total you can make?

☐ + ☐ + ☐ = ☐

b) What is the smallest total you can make?

☐ + ☐ + ☐ = ☐

7 Write <, > or = to make the statements correct.

a) 5 + 9 + 1 ◯ 7 + 5 + 3

b) 6 + 8 + 3 ◯ 2 + 9 + 4

c) 1 + 7 + 5 ◯ 3 + 4 + 5

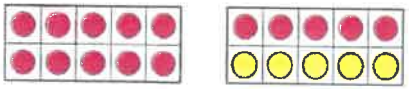
d) 8 + 9 + 1 ◯ 1 + 8 + 9

Fact families – addition and subtraction bonds to 20

1 What number bonds to 20 are represented?

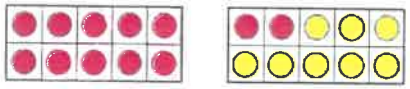
The first one has been done for you.

a)



15 + 5 = 20

b)



☐ + ☐ = ☐

c)

☐ + ☐ = ☐

d) How many other number bonds to 20 can you make using counters and ten frames?

_____

_____

2 Complete the fact family.

a)

15 + 2 = 17

17 = 15 + 2

2 + 15 = ☐

☐ = ☐ + ☐

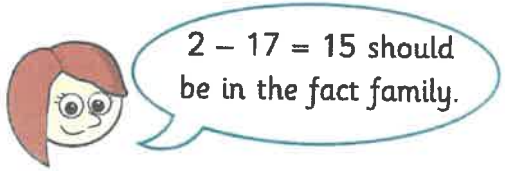
17 – 15 = ☐

☐ = ☐ – ☐

☐ – ☐ = ☐

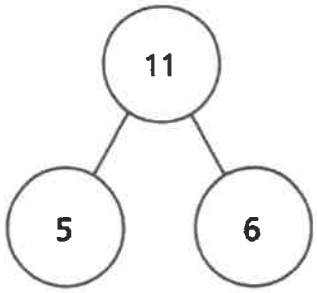
☐ = ☐ – ☐

b)



Explain why Rosie is wrong.

3 Complete the number sentences for the part-whole model.



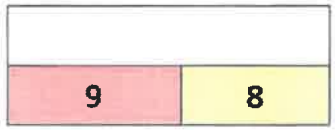
☐	+	☐	=	☐
☐	−	☐	=	☐
☐	+	☐	=	☐
☐	−	☐	=	☐

Are there any other number sentences in this fact family?

Talk about it with a partner.

4 There are 9 boys and 8 girls in a class.

Complete the bar model to represent this.



Write the fact family for the bar model.

_____

_____

5 Circle any incorrect calculations.

3 + 7 = 10	10 = 3 + 7
7 + 3 = 10	10 = 7 + 3
10 − 7 = 3	7 − 3 = 10
3 − 10 = 7	7 = 10 − 3

Explain any mistakes that have been made.

6 Here are some number cards.

5	2	7	13	6

Choose three number cards to complete the number sentence.

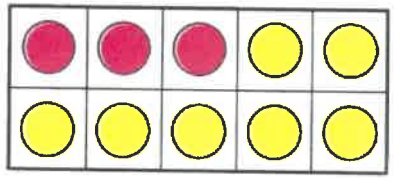
☐ + ☐ = ☐

Write the fact family for this calculation.

Compare answers with a partner.

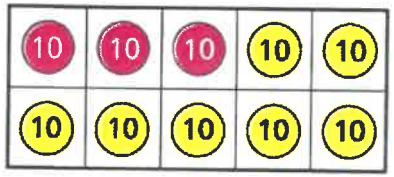
Bonds to 100 (tens)

1 **a)** What calculation is represented?



☐ + ☐ = ☐

b) What calculation is represented?



☐ + ☐ = ☐

What is the same about part a) and part b)?
What is different?

2 **a)** Write six different number bonds to 10

☐ + ☐ = 10

☐ + ☐ = 10

☐ + ☐ = 10

☐ + ☐ = 10

☐ + ☐ = 10

☐ + ☐ = 10

Compare answers with a partner to make sure you have them all.

b) Write six different number bonds to 100

Use your answer to part a) and related facts to help you.

☐ + ☐ = 100

☐ + ☐ = 100

☐	+	☐	= 100
☐	+	☐	= 100
☐	+	☐	= 100
☐	+	☐	= 100

3 Fill in the missing numbers.

a) 3 + 5 = ☐ 30 + 50 = ☐

3_ + 5_ = 80 80 = _0 + 3_

b) 7 + 2 = ☐ 70 + 20 = ☐

7_ + 2_ = 90 90 = _0 + 7_

c) 2 + 2 = ☐ 20 + 20 = ☐

2_ + 2_ = 40 40 = _0 + 2_

d) 6 + 0 = ☐ 60 + 0 = ☐

6_ + ☐ = 60 60 = ☐ + 6_

4 Fill in the missing numbers.

100	=	100	–	0
90	=	100	–	10
80	=	100	–	☐
☐	=	100	–	☐
☐	=	☐	–	☐
☐	=	☐	–	☐

Can you continue this pattern?

Talk to a partner.

Write a similar pattern starting with 50 = 50 – 0

_____ _____

_____ _____

_____ _____

How many patterns can you find that start with different numbers?

Add and subtract 1s

1 **a)** Jack has 6 cookies.

Annie gives him one more cookie.

How many cookies does he have now?

Jack has ☐ cookies now.

b) Amir has 4 cookies.

He eats one of his cookies.

How many cookies does he have now?

Amir has ☐ cookies now.

2 Complete the number tracks.

a)

21		23					

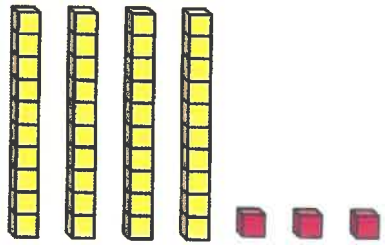
b)

47		45					

c)

				5					10

3 **a)** Filip has made a number using base 10



What number has Filip made? ☐

b) Rosie also makes a number using base 10

Rosie's number is one more than Filip's number.

What is Rosie's number? ☐

c) Ron's number is 2 more than Filip's number.

What is Ron's number? ☐

d) Dora's number is 1 less than Filip's number.

What is Dora's number? ☐

4 Complete the calculations.

a) 14 + 1 = ☐

b) 22 + 1 = ☐

c) 54 + 1 = ☐

d) ☐ = 1 + 61

e) 19 – 1 = ☐

f) 33 + ☐ = 34

g) 18 = 19 – ☐

h) ☐ = 89 – 1

5 Complete the calculations.

a) 14 + 2 = ☐

b) 22 + 3 = ☐

c) 54 + 4 = ☐

d) ☐ = 5 + 61

e) 19 – 2 = ☐

f) 33 + ☐ = 35

g) 12 = 19 – ☐

h) ☐ = 89 – 3

6 Are the number sentences true or false?

a) 17 + 1 = 1 + 17 _____

b) 17 – 1 = 1 – 17 _____

Talk about your answers with a partner.

10 more and 10 less

1 a) Dani has some balloons.

How many balloons does Dani have?

Dani has ☐ balloons.

She buys one more bag of balloons.

How many balloons does Dani have now? ☐

b) Mo has some balloons.

How many balloons does Mo have? ☐

He gives one bag of balloons to his friend.

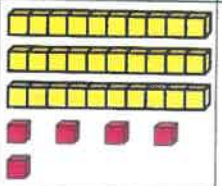
How many balloons does Mo have now? ☐

2 Complete the tables.

a)

10 less	Number	10 more
		
	21	

b)

10 less	Number	10 more
		

c)

10 less	Number	10 more
		

3

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

a) Circle the number 15

Colour in red the number that is 10 more than 15

Colour in blue the number that is 10 less than 15

b) Circle the number 43

Colour in red the number that is 10 more than 43

Colour in blue the number that is 10 less than 43

c) Circle the number 70

Colour in red the number that is 10 more than 70

Colour in blue the number that is 10 less than 70

What do you notice about your answers?

4 Complete the sentences.

a) 10 more than 13 is ☐

b) 10 less than 81 is ☐

c) 10 more than ☐ is 60

d) 10 less than ☐ is 87

5 Is the statement true or false?

When finding 10 more or 10 less, the ones column doesn't change.

Add and subtract 10s

1 **a)** Eva has some marbles.

How many marbles does Eva have?

Eva has ☐ marbles.

She buys 3 more boxes of marbles.

How many marbles does she have now? ☐

b) Teddy has some marbles.

How many marbles does Teddy have?

Teddy has ☐ marbles.

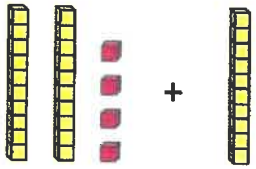
He gives 5 boxes of marbles to his friend.

How many marbles does he have now? ☐

2 What calculations are represented?

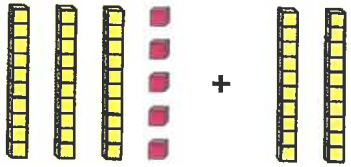
Complete the number sentences.

a)



☐ + ☐ = ☐

b)



☐ + ☐ = ☐

3 Use base 10 to complete the calculations.

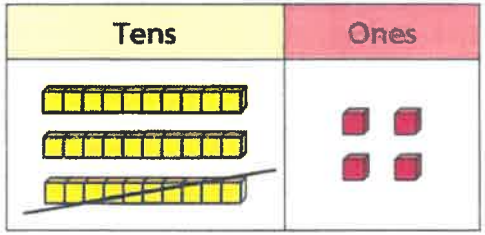
a) 24 + 20 = ☐

b) 17 + 50 = ☐

c) 40 + 16 = ☐

4 What calculation is represented?

Complete the number sentence.



☐ – ☐ = ☐

5 Use base 10 to complete the calculations.

a) 34 – 20 = ☐

b) 57 – 20 = ☐

c) 46 – 40 = ☐

6 Huan has 6 stickers.

He gets 10 new stickers every day for 8 days.

How many stickers will Huan have after 8 days?

Use the number track to help you.

6								

Huan will have ☐ stickers.

7 ★ = 30 ☾ = 10 ☀ = 40

Complete the calculations.

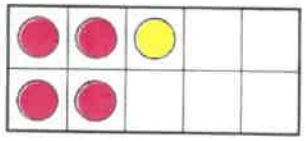
a) ★ + ☀ = ☐

b) ★ – ☾ = ☐

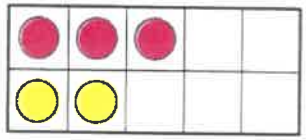
c) ☀ – ★ = ☐

Know your number bonds

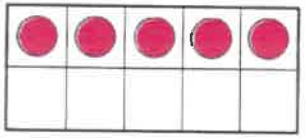
1 Use the diagrams to complete the bonds to 5



☐ + ☐ = 5

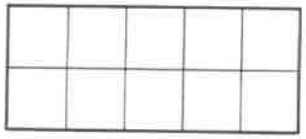


☐ + ☐ = 5



☐ + ☐ = 5

2 Take 6 counters. Draw them on the ten frame.



Make and write the bonds to 6

☐ + ☐ = 6

☐ + ☐ = 6

☐ + ☐ = 6

☐ + ☐ = 6

☐ + ☐ = 6

☐ + ☐ = 6

3 **a)** Shade all the bonds to 4

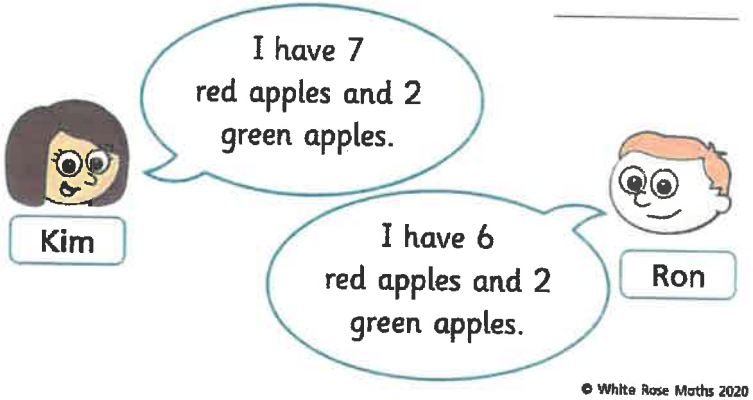
3 + 1	1 + 3	5 + 2
0 + 4	2 + 2	4 + 1

b) Shade all the bonds to 7

2 + 4	5 + 2	4 + 3
0 + 7	3 + 3	3 + 4
1 + 6	2 + 7	6 + 1

4 Who has 8 apples?

_____



5 Here are some cards showing number bonds.

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

a) Sort the cards into the table.

Bonds to 9	Bonds to 10

b) Write some more bonds to 9 and 10 in the table.

6 Complete the bonds.

a) ☐ + 5 = 8

b) 3 + ☐ = 3

c) 8 + ☐ = 10

d) 3 + ☐ = 5

e) ☐ + 2 = 8

f) ☐ + 1 = 10

g) 5 + ☐ = 7

h) ☐ + 4 = 8

i) ☐ + 5 = 9

j) 4 + ☐ = 6

7 Work out the value of each shape.