Y2
Remote
Learning

ANSWER PACK

25th- 29th January

2021

Maths answers

Lesson 1

1 Here are some socks.

a) Draw lines to match the pairs of socks.
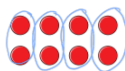
b) Complete the sentences.

There are **12** socks altogether.

There are **2** socks in each pair.

There are **6** pairs of socks.
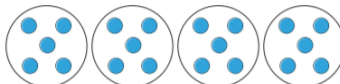
2 Here are some counters.

a) Circle groups of 2

b) Complete the sentences.

There are **8** counters altogether.

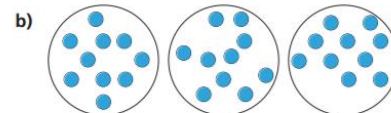There are **4** equal groups of 2 counters.

3 Complete the sentences.

a)

There are **20** counters altogether.

There are **4** equal groups of **5** counters.

b)

There are **30** counters altogether.

There are **3** equal groups of **10** counters.

4 Use 30 counters.

a) How many equal groups of 2 can you make? **15**

b) How many equal groups of 5 can you make? **6**

c) How many equal groups of 10 can you make? **3**

Talk about your answers.

Lesson 2

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.
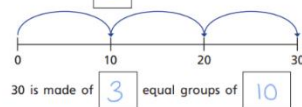
3 Mo has 20 chairs.
a) Circle groups of 5 chairs.

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

c) Complete the number sentence.
20 ÷ **5** = **4**
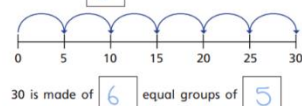
4 Complete the number sentences.
Use the number line to help you.

a) 30 ÷ 10 = **3**

30 is made of **3** equal groups of **10**

b) 30 ÷ 5 = **6**

30 is made of **6** equal groups of **5**

c) Investigate other equal groups you could make with 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?

24 ÷ **2** = **12**

Eva needs **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.

Lesson 3

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 ÷ 2 = **6**
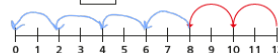
b) 20 ÷ 2 = **10**
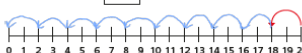
Is there another way to work this out?

5 Alex has 22 pencils.
She puts them into pots.
Each pot has 2 pencils.
How many pots does Alex need?

22 ÷ 2 = **11**

Alex needs **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 ÷ 2 = **3**

b) 10 ÷ 2 = **5**

c) 14 ÷ 2 = **7**

d) 0 ÷ 2 = **0**

e) **10** ÷ 2 = 5

f) **12** ÷ 2 = 6

g) **18** ÷ 2 = 9

h) **22** ÷ 2 = 11

Year 2 Answer Pack

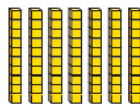## Odd and even numbers

1 Eva uses counters to make the numbers from 1 to 10

☐ ☑ ☐ ☑ ☐

☑ ☐ ☑ ☐ ☑
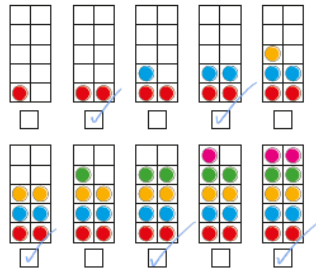
Tick all the numbers that are even.
What do you notice about all the even numbers?

2 Use counters and ten frames.
  a) Show that 14 is an even number.
  b) Show that 15 is an odd number.
  c) Work out whether 18 is even or odd.
Compare answers with a partner.

3 Draw circles to show the groups.
  a) Group the shoes in 2s to show that 16 is even.

  b) Group the socks in 2s to show that 17 is odd.

4 Colour all the even numbers.

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

What do you notice about the last digit of all the even numbers?

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5 Dexter makes the number 70 from base 10

> 70 is odd as you cannot share into 2 equally.

What mistake has Dexter made?

6 a) Teddy has a 2-digit number.
    The 1st digit has been covered up.   **6**

    Is Teddy's number odd or even?
    Circle your answer.

    odd   (even)   you cannot tell

    How do you know?

  b) Dora has a 2-digit number
    The 2nd digit has been covered up.   **4**

    Is Dora's number odd or even?
    Circle your answer.

    odd   even   (you cannot tell)

7 Roll 2 dice and find the total.
    Complete the table.

Dice 1	Dice 2	Total	Is the total odd or even?
3 (odd)	2 (even)	3 + 2 = 5	odd

What patterns can you spot?

8 Whitney is making a number pattern.

    3 , 5, 7, 9, 11, 13, 15, **17** , **19**

  a) Write the missing numbers.
  b) Write 2 numbers greater than 30 that could be in the pattern.   **31** **33**
  c) Write 2 numbers greater than 60 that could not be in the pattern.   **62** **66**
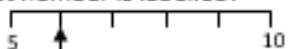
Lesson 5
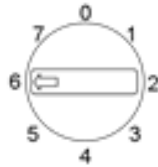
Name: _____   Date: _____   Class/Group: _____

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions		C: Measure and Geometry	
1. What is the missing number? 12 22 32 42 52 ☐	*2:1* **62**	11. 9 x 5 =	*2:11* **45**	21. Which of these has the **greatest** capacity? a. a bath b. a bucket c. a cup	*2:18* **a**
2. Circle the 3s that have a value of 3. ⟨13⟩ 38 ⟨43⟩ 31	*2:2* **13,43**	12. Which are the odd numbers? 2 7 16 23	*2:11* **7,23**		
3. What number is labelled? 5 10	*2:3* **6**	13. What symbol is missing? 3 x 5 ☐ 15	*2:12* **=**	22. How many **minutes** are there in **1** hour? a. 12 b. 24 c. 60	*2:21* **c**
4. Put these in order, smallest first. 34 4 43 3	*2:4* **3,4, 34,43**	14. What symbol is missing? 14 ☐ 7 = 2	*2:12* **÷**		
5. Write this number in words. 71	*2:5* **Seventy one**	15. Is this true? Write 'yes' or 'no'. 15 ÷ 3 = 3 ÷ 15	*2:13* **No**	23. Which of these shapes has **4** sides? a. triangle b. circle c. square	*2:23* **c**
6. A garden has 15 trees. 9 more are planted. How many trees now?	*2:6* **24**	16. 4 flowers each have 7 petals. How many petals are there in total?	*2:14* **28**		
7. Use 11 + 9 = 20 to answer: 55 + ☐ = 100	*2:7* **45**	17. I have 18 eggs. If they come in boxes of 6, how many boxes do I have?	*2:14* **3**	24. Complete the sentence: A **square based pyramid** has 8 a. vertices b. edges c. faces	*2:24* **b**
8. 9 + 7 + 8 =	*2:8* **24**	18. What fraction of the strawberries is circled?	*2:15* $\frac{2}{3}$		
9. Tick (✓) if true: 28 - 7 = 7 - 28 ☐ 38 + 6 = 6 + 38 ✓	*2:9* **✗ ✓**	19. Write the fraction **two quarters** in numerals.	*2:15* $\frac{2}{4}$	25. This dial is pointing at 6. What number will it point to after being turned **clockwise** through **3 right angles**?	*2:28* **4**
10. Use 62 - 17 = 45 to help find: 17 + 45 = ☐	*2:10* **62**	20. What is $\frac{1}{4}$ of 20 ?	*2:16* **5**		
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)		Y (10-19) G (20-25)	

Year 2 Answer Pack

Tick the sentence which **correctly** uses an apostrophe to show possession.

1. ✓ Dad's bike tyres had a puncture.

    ☐ Dads bike tyre's had a puncture.

2. ☐ The orcas prey' was a vulnerable seal.

    ✓ The orca's prey was a vulnerable seal.

3. ✓ I often borrow my brother's scooter.

    ☐ I often borrow my brothers scooter'.

4. ☐ Miss Seniors' favourite day of the week is Friday.

    ✓ Miss Senior's favourite day of the week is Friday.

Deepen the Moment

Rewrite each sentence below into a sentence that contains an apostrophe to show possession. For example:

The teeth belonging to an orca are extremely sharp.

The orca's teeth are extremely sharp.

1. **The blubber belonging to a penguin is a thick layer of fat.**

The penguin's blubber is a thick layer of fat.

2. **The fur belonging to a fur seal traps air and helps them keep warm.**

The fur seal's fur traps air and helps them keep warm.

English WAGOLL for Lessons 2-4

Introduction (written within Friday's lesson)

Have you heard about the extraordinary orcas that live in the Antarctic ocean? Orcas, also known as killer whales, are the largest predator of warm-blooded animals alive today. Would you like to find out more about these powerful, threatening predadtors? Read on to find out more… you won't be disappointed!

Habitat

Orcas are found in all oceans. However, they are mainly found in colder waters such as Antarctica, Norway and Alaska. Orcas are able to survive in any ocean that is between 0 degrees celcius and tropical water temperature (around 24-27 degrees celcius). If an orca was placed on land, it would only survive for a couple of hours because the blubber it carries on its body would dry out extremely quickly. Did you know that an Orca's circulatory system helps it maintain its body temperature? This is why it is able to adapt to its habitat, such as the freezing cold waters of Antarctica!

Diet

Orcas are fascinating mammals that are at the very top of the food chain. They have very diverse (different) diets, feasting on fish, penguins and sea lions. An orca's powerful nature means that they are capable of killing vulnerable leopard seals and great white sharks. This diet is extremely different to a humans, although humans eat fish! As Orcas travel around in 'pods' of up to 40 orcas, this means that they are extremely threatening to any prey they want to hunt. Once their vulnerable prey is captured, Orcas will use their 4-inch, razor sharp teeth to bite and eat.

Appearance

Did you know that Orcas are actually classed as dolphins? Orcas are the largest of the dolphin family and have a bold appearance: a large black body, a white underside and a white patch above and behind their eye. Orcas grow up to the size of 32 feet… that's the size of a single decker bus! Orcas also have a thick, fatty layer of blubber which helps them keep warm in the water where temperatures are a lot colder.

Year 2 Answer Pack

Reading for productivity Answers

Music answers
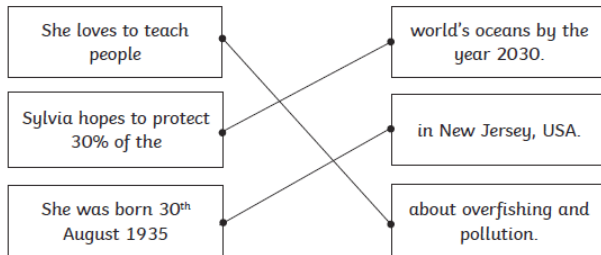
Deep Sea Explorers Answers

1. When was Jacques-Yves Cousteau born? Tick **one**.
   - ○ 11th June 1933
   - ○ 11th June 1948
   - ☑ **11th June 1910**

2. What did Jacques's friend give him to swim in the Mediterranean Sea?

   A pair of goggles.

3. Draw lines to match these sentences.

She loves to teach people	world's oceans by the year 2030.
Sylvia hopes to protect 30% of the	in New Jersey, USA.
She was born 30th August 1935	about overfishing and pollution.

4. Circle **true** or **false** to show whether these sentences are correct.

Robert was part of a team to locate the RMS Titanic.	**True**/False
Robert was born in New Jersey, USA.	True/**False**
Robert and a team of engineers built a robotic sub.	**True**/False

5. What is the name of the robotic sub that could send live video from the ocean floor?

   Argo

DT answers

1. **Where can sliders move?**
   Sliders can move left, right, up or down.

2. **Find and copy 2 things you will need to make a slider. Any 2 of the following are accepted as answers.**
   a background image
   an image of a character
   a stick or strip of card
   scissors
   a ruler

3. **What should you use to ensure the line is straight?**
   a ruler

4. Number the sentences below from 1 to 5 to show the correct order they should be done. The first one is done for you.

Then, insert the stick into the slit you have made.	4
Use a ruler to join the dots up and then cut along the dots.	2
Finally, move the character back and forth.	5
First, draw two dots on either side of your background.	1
Next, cut out your character and stick it on the end of the stick or strip of card.	3

PSHCE answers

1. **Name 3 emotions that can be linked to mental health.**
   sad, angry and anxious

2. **If we are eating an unhealthy diet will this help our mental health? Why?**
   No because when we don't eat healthily it can make us feel grumpy, tired, lack motivation and lose concentration.

3. **How long should you exercise for each day?**
   30 minutes

4. **How can helping someone make you feel about yourself?**
   good

5. **Write one example of how you can recharge your batteries.**
   Lie on your bed in peace and quiet. Children may also write their own idea for this question.

6. **What will you do from now on to improve your mental health?**
   Children may write any idea that they feel will help them when they are upset, angry or anxious.

Science answers

1. **How many categories are there?**
   3

2. **Name one example which is shown to be alive.**
   dog, boy/child or tree

3. **Name one example that is shown to be dead.**
   paper, leaf or fossil

4. **Find and copy 3 things that something which is alive can do.**
   Children can choose any 3 of the following options- grow, feed, move, get rid of waste, breathe oxygen, reproduce, adapt/change.

5. **Is a fossil alive?**
   No because it cannot (list one of more of the options above).

6. **What else could be put in the 'never been alive' category?**
   Children may list any object which isn't made from a material that can do any of the 7 listed above.

Computing answers

1. **What is the Icefin used for?**
   To explore what is under the ice in Antarctica.

2. **Why was a robot used to go under the ice instead of a human?**
   Robots were used because the temperatures were too cold for humans to survive.

3. **Where will NASA use robots like Icefin?**
   Jupiter's frozen moon Europa.

4. **What 3 things were used to find out why there was a giant hole in the ice?**
   Robots, satelites and seals fitted with head sensors.

Year 2 Answer Pack