Bees - Answers

*T*here are about 20 000 species of *b*ees in the world*.* Bees live together in groups called *colonies*. There *are* three types of bees in each colony*.* There is *t*he queen bee*,* the worker bee and the *drone*.

The queen *is* the largest bee in the colony*.* *S*he is the only *one* that lays eggs. Drones are *male* bees*.* Their only job is to mate with the *queen bee* so that she can lay *eggs*. Worker bees are *f*emale and they do all the work. They clean and protect the hive*,* collect the pollen and *nectar* to feed the colony and take care of the offspring.

Thunderstorms - Answers

A *thunderstorm* is a storm with *t*hunder and *l*ightning*.* There is *often* heavy rain during a thunderstorm*.*

Thunderstorms happen when warm, moist air quickly *moves* upwards. This causes *c*louds to form and creates gusty winds*,* heavy rain and *sometimes* hail.

*T*he loud sound that *thunder* makes *is* caused by the heat of the lightning that happens *before* you hear the thunder. *S*ometimes the sound of thunder can last for *several* seconds. This is because the thunder *echoes* around the ground*,* mountains, hills and *buildings*.

The Tortoise and the Hare

1. The author could have written this story for children, teenagers, athletes, competitive people, people who tease others, people who always try to do their best, people who rush things, people who take their time (and so on).

2. The author has written *too slow* in italics to highlight to the audience how slow the tortoise was moving.

3. The moral of the story is that if you take your time and do things properly, you will be rewarded in the end.

4. Some possible questions include:

    What inspired you to write this story?

    How did you start writing this story?

    Why did you choose to use a hare and a tortoise?

    Why did you make the hare fall asleep?

    Which character do you like the best?

Mr. and Mrs. Jones

1. Mr. Jones argued the city would be better because you can make lots of friends, it has technology and there are many places to eat.

2. Mrs. Jones argued the country would be better because it is quiet, you can live in a big house and grow your own vegetables.

3. Two positives for living in a camper van: you can go anywhere (both the city and the country), you can enjoy a simple lifestyle.

   Two negatives for living in a camper van: it can be a bit cramped and there's no privacy.

Inferences in Everyday Life

1. You might know it's time for lunch if you are getting hungry, your stomach is grumbling, the teacher is asking you to pack your things up.

2. You might know your friend is angry with you if they are not speaking to you, they are avoiding you, they are not happy when they are with you.

3. You might know it is hot outside if you see people sweating, red in the face, shading themselves under umbrellas, drinking lots of water, fanning themselves, seeking shade under trees.

4. You might know that your teacher wants the class to be quiet when they are standing up the front, clearing their throat, crossing their arms, asking the class to stop talking.

Fred the Firefighter

1. b) a firefighter going to a rescue on their own

2. c) both of the above

3. b) a firefighter throwing a cat

4. This story is make-believe because:

- It is highly unlikely that a firefighter would attend a rescue on his own.

- It is highly unlikely that a firefighter would climb a tree; they would use a ladder.

- A firefighter would not throw a cat down to the ground.

- It is highly unlikely that a firefighter would stay for tea and cupcakes after a rescue.

Ice Hockey

1. In the text, the word **score** means

b) the number of points achieved in a game.

2. I tried to **stick** the numbers on with glue.

3. Other words instead of **shoot**: hit, strike, whack.

4. A **violation** means that a player has broken the rules of the game.

Stuck at the Airport

1. There was a wild storm, so

    c) their flight was delayed.

2. They had to wait for hours, so they got hungry.

3. They could only buy chocolate, chips and drinks because

    d) there were too many people at the food court.

4. Eventually the storm had passed, so they were able to board their flight.

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The Big Race!

1. The correct number order:

    1st box number: 4   4th box number: 1

    2nd box number: 6   5th box number: 5

    3rd box number:2   6th box number: 3

2. First, Molly took her marks at the starting line. Then, she ran has fast as she could. Next, she fell over. After that, her friend helped her up. Soon after, Molly and her friend crossed the finish line together. Finally, Molly and her friend were happy for finishing the race.

3. If Molly's friend did not finish the race with her, then Molly may not have finished the race at all and would have been upset.

4. b) line up ready to run

Lions

1. Write **F** for fact or **O** for opinion next to each statement.

    __F__ Lions are the second largest cat species in the world.

    __O__ Lions are better than any other animal in the wild.

    __F__ In the wild, lions rest for around 20 hours a day.

    __O__ I think they are the most ferocious animal in the world.

    __F__ Lionesses are better hunters than males.

2. Students' opinions of lions will vary.

3. You can tell the difference between a fact and opinion by looking at the language used.

    You can also tell if something is a fact because you will be able to prove the information.

4. Answers may include: think, believe, best, worst, seems, all, many, better, awful.

Brilliant Bike Riding

1. The main idea of this text is that bike riding is a fun activity to do, but you must be safe.

2. Three details may include:

- Bike riding is lots of fun and helps you keep fit.
- There are several things you need to check before you ride your bike.
- During your bike, ride it is important to remain safe and responsible.

3. Important words include: bike, check, brakes, chain, tyres, helmet, bright clothes, responsible, plan, stay safe.

4. Another good title for this text could be

a) Bike Riding Safety.

Getting Ready for the Party

1. The theme of the party is superheroes because they have Spiderman balloons and green Hulk cupcakes.

2. The party is for Marco. Mum asks Marco what he would like for the party and he was excited the day had finally arrived.

3. It is most likely that they are having the party for Marco's birthday.

4. Answers will vary. Teacher to check reasoning.

The History of Pizza

1. A mud oven was used to make the first pizza. It was made by the ancient Babylonians.

2. The two ingredients that were added as a staple topping in the 17th century were mozzarella cheese and tomatoes.

3. Antica Pizzeria Port'Alba was the first pizzeria to open in 1830. The chef was Rafaele Esposito.

4. The Margherita pizza was made for Queen Margherita in 1889 using the Italian flag as inspiration – red tomato sauce, white mozzarella cheese and green basil leaves. Queen Margherita loved it so much the pizza was named after her.

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Verb Past Tense Worksheet

Name: _____

1. Yesterday we **_looked_** for bugs in the park.

2. We **_searched_** for bugs under rocks and on leaves.

3. I **_saw_** a butterfly. It **_flew_** past the purple flowers.

4. I **_lifted_** up a big rock and **_found_** a lady beetle.

5. I **_placed_** it in my bug jar, so that I could show my parents
    when I **_got_** home.

6. I **_caught_** three bugs at the park. I **_found_** a
    ladybug, a rhino beetle and a tiny bug that I didn't know.

7. I **_thought_** my brother Sam could help me identify the
    tiny bug.

8. We **_got_** out the bug book, and Sam **_opened_**
    my bug jar to get a closer look. The bug **_crawled_**
    up Sam's sleeve.

9. It **_gave_** him a fright, and he
    spat out the water he was
    drinking.

10. We **_laughed_**
    until we **_fell_** down.

5 x Colour Fun!
Answer Sheet

5 x 4

5 x 3

5 x 10

10 x 5

5 x 9   5 x 8

5 x 11

5 x 6

1 x 5

5 x 7

5 x 12   5 x 1   1 x 5   5 x 1

5 x 2

5 x 9

5 x 5   5 x 11   5 x 6

5 x 1   1 x 5

7 x 5

1 x 5   5 x 1

5 x 10

5 x 9

5 x 3   5 x 4   5 x 5

5 x 7   5 x 8   5 x 9   3 x 5   4 x 5   5 x 5

5	white	25	yellow	45	pink
10	black	30	dark green	50	light blue
15	red	35	dark blue	55	light green
20	orange	40	purple	60	grey

11 x 5

6 x 5

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Addition and Subtraction (Middle Grades)

Answers

1. 169 cm + 15 cm = 184 cm (Brian's height)

    182 cm + 169 cm + 184 cm = 535 cm

    The combined height of Shinji, Jane and Brian is **535 cm** or **5.35 m**.

2. Largest number = 964 320

    Smallest number = 203 469

    964 320 – 203 469 = 760 851

    The difference between the largest number and the smallest number is **760 851**.

3. $1299 - $249 = $1050

    $3423 - $1050 = $2373

    Janine will have **$2373** left once she purchases the discounted laptop.

4. 1 + 2 + 4 + 2 = 9 (Goals scored in the first four games)

    3 + 1 + 0 + 2 = 6 (Goals conceded in the first four games)

    12 – 9 = 3 (Goals scored in the last game)

    7 – 6 = 1 (Goals conceded in the last game)

    The red team won the last game. The score was **3-1**.

5. The first number is 2.

    2 + 4 = 6 (This is the second number)

    2 + 6 = 8 (This is the third number)

    8 – 2 = 6 (This is the fourth number)

    Muhammed's password is **2686**.

6. 321 – 126 = 195 (My current score)

    195 + 60 + 6 + 5 + 3 + 18 + 5 + 14 + 22 = 328

    I am **winning**.

7. 3.2 km + 5.4 km + 8.9 km = 17.5 km

    22 km – 17.5 km = 4.5 km

    Neil ran **4.5 km** on the fifth day of training.

8. 93 – 23 = 70

   70 – 48 = 22

   22 – 5 = 17

   17 people got off the train at the second station.

9. $159.95 - $83 = $76.95

   $76.95 - $20 = $56.95

   The profit on each skateboard sold is **$56.95.**

10. 15 (Chicken)

    15 – 8 = 7 (Vegetarian)

    7 + 14 = 21 (Beef)

    15 + 7 + 21 = 43

    43 sandwiches were sold in total.

11. 36 829 + 48 293 = 85 122 (Germany and Argentina supporters)

    96 239 – 85 122 = 11 117 (Neutral supporters)

    There were **11 117 neutral supporters** in the stadium.

12. 4 + 6 + 3 = 13 (First plate of sushi)

    2 + 4 + 1 = 7 (Second plate of sushi)

    13 + 7 = 20

    Susan ate **20 sushi rolls** in total.

13. 24 + 32 + 19 + 25 = 100

    100 – 54 = 46

    Kevin scored **46 points**.

14. 12 000 km – 6212 km = 5788 km

    Jill's family could fly a further **5788 km** from their current location.

15. 11:00 am + 1 hr 40 mins = 12:40 pm

    12:40 pm + 30 mins = 1:10 pm

    2:00 pm – 1:10 pm = 50 mins

    The second half of the exam took **50 minutes**.

16. 8.2 L – 1.8 L – 2.4 L = 4 L

    4 L – 6 L = -2 L

    The car **will not** make it to the petrol station without running out of fuel.

17. 13 mins + 19 mins + 32 mins + 6 mins = 70 mins

    8:00 am – 70 mins = 6: 50 am

    Scott leaves home at **6:50 am**.

18. 678 – 46 = 632

    678 + 632 = 1310

    The book stand sold **1310 magazines** in these two months.

19. 36 + 10 = 46

    88 – 46 = 42

    There are **42 female elephants** in the herd.

20. 198 + 139 + 55 = 392

    15 + 22 + 18 = 55

    392 – 55 = 337

    There were **337 pieces of fruit** available on Tuesday.

Year 4 Daily Maths Problems

1. Steven read 45 books in total.

2. Noah and his dad would receive $23.10 change.

3. With 18 chocolates, Sue has 2 more chocolates than Ben.

4. There are 48 fish in the pond altogether.

5. Mr. Smith will need to buy 56 sweets for his class.

6. The maximum number of chickens that can be held in 7 coops is 56.

7. Lisa collected 27 football cards.

8. The truck is 92 grams heavier than the train.

9. After missing 23 minutes, Nathan arrived at 9:38 am.

10. Jack would save 5 cents purchasing the special.

11. The length of each side of the square is 12 cm.

12. There were six children in the group.

13. Sam has 96 seeds to plant.

14. The number is 4.

15. Robyn would place the number 75, ¾ of the way along a 0 to 100 number line.

16. Alice spent 6 hrs and 45 mins at school.

17. 13 students joined Mrs. Campbell's class throughout the year.

18. There are 58 days until Matthew's birthday.

19. It would take Jimmy 12 minutes to swim 10 laps.

20. Rob's new number was 1154.

MATHS

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