

Telling Time and Data: practice solutions, Grade 1 – download the PDF

Written solutions to the chapter problems. Check each step, then correct yourself.

1 What time is it?



The long hand points to 12, so it is an o'clock time. The short hand points to 4.

It is 4 o'clock, written 4:00.

2 Which hand is which?



The **short hand** is the hour hand. It tells the hour. The long hand tells the minutes.

3 Half past



The long hand points to 6, so it is half past. The short hand is between 7 and 8, so the hour is 7.

It is half past 7, written 7:30.

4 Say the digital time



9:00 has 00 minutes, so it is **9 o'clock**.

9:30 has 30 minutes, so it is **half past 9**.

5 Block sort



(a) There are 3 categories: red, blue and yellow.

(b) $4 + 2 + 3 = 9$. There are **9 blocks in all**.

6 Count the tally



One group of 5 and 2 more marks: $5 + 2 = 7$.

Zoe counted **7 stickers**.

7 Fruit bars



(a) The pear bar reaches 6. **6 kids chose pear**.

(b) The plum bar is the shortest, at 2. **Plum has the fewest votes**.

8 Hour or minute?



Long hand on 12 means an o'clock time, so it is **11 o'clock**, or 11:00.

At half past 11, the long hand points to the **6**.

9 One hour later



One hour after 5:00 is 6:00. The hour hand moves from 5 to 6.

The lesson ends at 6:00.

10 Half an hour later



- (a) Half an hour after 3:00 is **3:30**.
- (b) From 8:30, half an hour more brings us to the next o'clock: **9:00**.

11 Morning and noon



8:00 comes before 12:00, so **school starts first**.

Count the hours: 9, 10, 11, 12. That is 4 hours. **$12 - 8 = 4$** . There are 4 hours between them.

12 Pet survey chart



Counting each word: dog 5, cat 3, fish 2.

Check: **$5 + 3 + 2 = 10$** .

5 dogs, 3 cats and 2 fish.

13 Weather bars



- (a) Sunny is 8 and rainy is 3: **$8 - 3 = 5$** . There are 5 more sunny days.
- (b) Cloudy is 5 and rainy is 3: **$5 - 3 = 2$** . There are 2 fewer rainy days.

14 Button box



Round and square together: **$5 + 4 = 9$** .

Stars: **$12 - 9 = 3$** . There are 3 star buttons.

15 Reading a story



From 4:30 to 5:30 the hour hand moves one number, so he read for **1 hour**.

Half an hour after 4:30 is **5:00**.

16 True or false?



False. At 6:30 the long hand is on 6 and half an hour has passed. So the short hand has moved halfway between 6 and 7. It is not exactly on the 6.

17 Bird picture graph



(a) $6 + 4 + 2 = 12$. Ana saw **12 birds**.

(b) Robins and crows: $6 + 2 = 8$. Sparrows: 4. Since 8 is more than 4, **there were more robins and crows together**, and $8 - 4 = 4$. **There were 4 more.**

18 Recess choices



Soccer and tag: $5 + 4 = 9$. Biking: $12 - 9 = 3$. **3 children chose biking.**

The numbers are 5, 4 and 3. The biggest is 5, so **soccer is the favorite**.

19 Missing votes



Red and blue: $6 + 5 = 11$. Green: $15 - 11 = 4$. **4 kids voted green.**

Compare with red: $6 - 4 = 2$. **2 fewer kids voted green than red.**

20

Lunch tally

Pizza has $5 + 4 = 9$, soup has 4, salad has $5 + 1 = 6$.

(a) $9 + 4 + 6 = 19$. 19 kids voted.

(b) Pizza and soup: $9 + 4 = 13$. Salad: 6. $13 - 6 = 7$. Yes, 7 more.

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Morning plan

(a) From 7:00 to 8:00 is **1 hour**.

(b) From 7:30 to 8:00 is **half an hour**, or 30 minutes.

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