

Answers

1. Where was Titanic sailing to?
The Titanic was sailing to New York.
2. How many years did it take to build?
It took three years to build.
3. What was the purpose of fitting heavy metal doors, which closed slowly, in the watertight compartment areas of the ship?
Heavy metal doors were fitted to trap the water inside the watertight compartments if water entered these areas. The doors closed slowly to give escaping crew members time to pass through.
4. Where were the lifeboats kept?
The lifeboats were kept on the boat deck.
5. Why do you think third class passengers were not allowed to go up to the first or second class areas of the ship?
Various answers.
6. Can you explain why a second class passenger would have been impressed with their facilities?
Second class passengers would have been impressed with the facilities because second class on Titanic was equal to first class standard on any other ship at the time.
7. What was the problem with the lifeboats? Give a detailed response.
There were not enough lifeboats on board to hold all of the passengers and crew. There were only enough lifeboat spaces for 1178 people when the ship's total capacity was 3547. Tragically, when the lifeboats were launched, they were not even full.
8. Which ticket class would you have preferred and why?
Various answers and reasoning. For example, first class because it was very luxurious.
9. What or who do you think was to blame for the disaster? Explain your reasoning.
Various answers and reasoning. For example, Captain Lord was responsible because he ignored Titanic's distress flares.

Answers

Answers for data Handling One Star (developing), Two Star (Expected), Three Star (Greater Depth)

Developing

1. **False, the scale should start at 0 and the labels for Legend/Adventure have been mixed up.**
2. **No, 4 more children have 1 sibling than have 4 or more siblings.**
3. **Various possible answers, for example; Yes because the values are small so they are easy to count using a pictogram.**
No, a bar chart would be easier to display the small values.

Expected

4. **False, the scale should go up in 2s, not in 10s and the labels for M Hussain and JK Taylor have been mixed up.**
5. **No, 20 children got 21 or more answers correct in a minute.**
6. **Various possible answers, for example; No, a bar chart that uses a scale of 1 picture = 2 pets would be a better way of presenting the information.**

Greater Depth

7. **False, the scale should go up to 21 and the orange/cola labels have been mixed up.**
8. **No, there are one third as many ash trees as oak and birch.**
9. **A. Various possible answers, for example; No, it is not easy to show numbers that are not multiples of the scale when using a pictogram.**
B. An accurate bar chart with a scale of 5:1.

Answers for Maths Word problems all levels.

Four Operations

1. Harris, Zara, Micky and Gail went out for a meal together. They each had a main course, a side dish and a dessert.

Zara had the most expensive choices on the menu and Micky had the least expensive choices on the menu. The total bill was £43.64. Harris and Gail chose foods nobody else was having.

- Can you work out what all the friends had to eat?

Zara had chicken, garlic bread and fruit salad (£13.50)

Micky had pasta, corn and apple pie (£8.94)

Harris and Gail had pizza and hot dog, fries and salad, and ice cream and cookies (£21.20)

- If they shared the bill equally, how much did they each pay?

They would each pay £10.91

- How much less would it cost each of them if they came on Wednesday?

It would cost them each £2.16 less.

DP

2. Bella has saved £48 in her savings account.

- In the first month she saved one eighth of her total.
- In the second month she saved ten times less than she saved in the third month.

7. **£1.30**

8. **£7.55**

9. **Ryan takes 4 friends as $£4.35 \times 5 = £21.75 + £7.50$ for his Mum makes £29.25.**

3. **Sally is correct because $£6 + £4 + £4 = £14$.**

Month 2 £1.20
Month 3 £12.00
Month 4 – £6.00
Month 5 £24.00
Month 6 £12.80



Answers- Developing is One Star Challenge answers, Expected is the Two Star Challenge, Greater Depth is the Three Star Challenge.

Recognise Tenths and Hundredths

Developing

1. A. $\frac{56}{100}$; B. $\frac{27}{100}$; C. $\frac{79}{100}$; $\frac{42}{100}$ is the odd one out.
2. A. $\frac{36}{100}$; B. $\frac{43}{100}$ shaded.
3. Ben is correct because $\frac{36}{100}$ have been shaded in dark red and $\frac{48}{100}$ shaded in light blue, making a total of $\frac{84}{100}$.

Expected

4. A. $\frac{73}{100}$; B. $\frac{11}{100}$; C. $\frac{92}{100}$; $\frac{64}{100}$ is the odd one out.
5. A. $\frac{46}{100}$; B. $\frac{84}{100}$ shaded
6. Liv is correct because she has shaded in $\frac{35}{100}$ of the whole amount. Tom is incorrect because the square represents 7 tenths and 2 hundredths.

Greater Depth

7. A. $\frac{77}{100}$; B. $\frac{94}{100}$; C. $\frac{63}{100}$; $\frac{49}{100}$ is the odd one out.
8. A. $\frac{13}{100}$, $\frac{53}{100}$, total - $\frac{92}{100}$; B. $\frac{24}{100}$, $\frac{11}{100}$, total - $\frac{88}{100}$
9. Iris is correct because 79 hundredths have been shaded, which is the same as 5 tenth and 29 hundredths. Leo is incorrect because $\frac{4}{10}$ and $\frac{19}{100}$ is the same as 59 hundredths.