

Fraction Word problems

Red Questions

1. $\frac{1}{2}$ of the children in Beech Class have a dog, $\frac{1}{4}$ have cats and 7 children do not have a pet. How many have a dog? How many have a cat? How many are in the class altogether?
2. In the sale, Ella bought a coat for half the original price. She paid £11.50. What was the full price of the coat?
3. The Morris family drive 53km before they must stop for petrol. This is a quarter of their whole journey. How much further do they need to drive?
4. Mark has painted $\frac{1}{2}$ of his garden fence so far. The length of the fence is 16.8m. How much has he painted?
5. Rahul wants to make a cake but needs to buy more sugar. He has 135g but this is only half of what he needs. How much sugar does the recipe require?
6. Evie has completed 36 lengths of her swimming challenge. This is $\frac{3}{4}$ of the total. How many more lengths does she need to swim?
7. Some children are planting daffodils in their school garden. There are 68 daffodil bulbs altogether. One quarter are to be planted outside the head's office. How many do the children need for this area?
8. Lottie and Zac are making smoothies. They have made 480ml in total and $\frac{1}{4}$ of the recipe was apple juice. How much apple juice did they have measure out?
9. Cameron is looking for a special present for his mum's birthday and can spend up to £20. He spots a pair of earrings, in a half-price sale, that were originally £34.50. Is he able to buy them?
10. Shaniya and Millie are making bracelets and have used $\frac{3}{4}$ of their elastic cord. They have 50cm left. How much did they have originally?

Yellow Questions

1. $\frac{1}{3}$ of Beech Class have a dog, $\frac{1}{6}$ have hamsters and $\frac{2}{6}$ have cats. The remaining children do not have pets. There are 24 children in the class. How many have dogs, hamsters or cats? How many do not have pets?
2. In a sale, Alex buys some shoes for £24. They are $\frac{2}{3}$ of the original price. What was the full price?
3. The Ahmad family drive 69km before they must stop for petrol. This is $\frac{3}{8}$ of their whole journey. How much further do they need to drive?
4. Mark has painted $\frac{2}{5}$ of his garden fence so far. The length of the fence is 20m. How much has he painted?
5. Rahul wants to make a cake but needs to buy more sugar. He has 52g but this is only $\frac{1}{3}$ of what he needs. How much sugar does the recipe require?
6. Evie has completed 30 lengths of her swimming challenge. This is $\frac{5}{6}$ of the total. How many more lengths does she need to swim?
7. Some children are planting daffodils in their school garden. There are 72 daffodil bulbs altogether. $\frac{5}{8}$ have already been planted. How many are there left to plant?
8. Lottie and Zac are making smoothies. They have made 630ml in total and $\frac{1}{3}$ of the recipe was apple juice. How much apple juice did they have measure out? What fraction was not apple juice?
9. Six friends are doing a fun run for charity. They must each run $\frac{1}{6}$ of 9km. How far does each person have to run?
10. The drive from Adam's house to the beach takes around 45 minutes. He has completed one third of the journey when he remembers he has forgotten his swimming trunks. How long has he been driving for?

Red Answers:

1. 14, 7, 28
2. £23
3. 159
4. 8.4m
5. 270g
6. 12 lengths
7. 17
8. 120ml
9. £17.25
10. 2m

Yellow Answers:

1. 8, 4, 8,
2. £36
3. 184km
4. 8m
5. 156g
6. 6 lengths
7. 45
8. 210ml (2/3 not apple juice)
9. 1.5km
10. 15 minutes