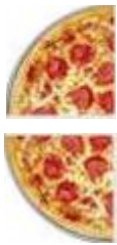


Choose **one** of the following challenges to complete

**Red Challenge**

**Can I solve worded problems?**

- 1) Simon cuts his pizza into 4 equal slices. Simon eats  $\frac{2}{4}$  of the pizza and his friend eats  $\frac{1}{4}$  of the pizza. How much pizza did they eat altogether?



**Simon eats**



**His friend eats**

- 2) A shop is selling  $\frac{5}{5}$  of a cake. The first customer comes in and buys of  $\frac{2}{5}$  the cake. How much of the cake is left? Give your answer as a fraction.



- 3) A van is delivering boxes of 18 flowers. Tom asks if he could buy  $\frac{1}{3}$  of a box.

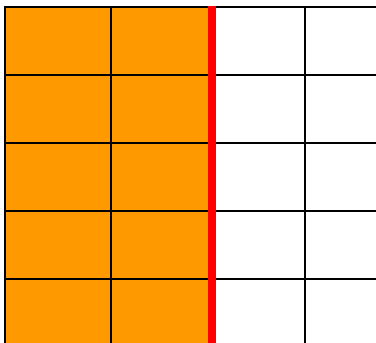


How many flowers did Tom want to buy?

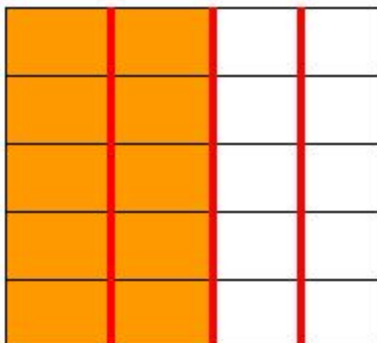
- 4) The dress in the shop window cost £18. On Monday the dress was  $\frac{1}{2}$  price. How much did the dress cost on Monday?

- 5) Laura had 20 video games, she sold  $\frac{1}{2}$  of the video games online and  $\frac{2}{4}$  of the video games at a car boot. Where did she sell the most video games?

**Video games sold online**



**Video games sold at the car boot**



## Yellow Challenge

### Can I solve worded problems?

1) Which is larger,  $\frac{1}{3}$  or  $\frac{2}{6}$ ? Draw a diagram to prove it.

2) A bakery is selling  $\frac{8}{8}$  of an apple pie. The first customer buys  $\frac{2}{8}$  of the pie and the second customer buys another  $\frac{3}{8}$  of the pie. How much of the pie is left?

Give your answer as a fraction.

3) A video shop is having a sale. All video games have  $\frac{1}{3}$  off of the total price. Space Invader is usually sold for £18, how much money does the customer get off of the game in the sale?

4) A box of chocolate contains 24 chocolates. Sarah eats  $\frac{1}{4}$  of the box. How many chocolates did Sarah eat?

5) John wins £48 at bingo and decides to give  $\frac{1}{5}$  of his winnings to his wife and  $\frac{2}{10}$  to his son. How received the most money?

6) A birthday cake is cut into 12 pieces. Julie eats  $\frac{2}{12}$  of the cake, Mark eats  $\frac{6}{12}$  and Emily eats  $\frac{3}{12}$  of the cake. How much of the cake was eaten?

## Green Challenge

### Can I solve worded problems?

- 1) Aaron chopped up a pineapple. He gave  $\frac{2}{4}$  to his mum and ate  $\frac{3}{6}$  himself. How much was left to give his dad?
- 2) A book shop is selling 12 copies of Gangster Granny. The first customer of the day buys  $\frac{3}{12}$  of copies and the second customer buys another  $\frac{5}{12}$ . The first customer realises they have bought too many of the books and returns  $\frac{1}{12}$  of the books. How many books did the shop sell that day? Give your answer as a fraction.
- 3) Dom needs to buy a new pair of jeans. A pair of jeans costs £64. Dom sees a sign in the shop that says ' $\frac{1}{8}$  off any item's total cost.' How much would Dom save?
- 4) A large pack of sweets contains 36 sweets. Fred eats  $\frac{2}{3}$  of the pack. How many sweets does Fred eat??
- 5) Talia and Catherine order two medium pizzas. Talia cuts her pizza into 5 equal slices and eats  $\frac{1}{5}$  of her pizza. Catherine wants to eat the same amount as Talia but her pizza is cut into 10 slices. How many slices of pizza should Catherine eat? Give your answer as a fraction.
- 6) Jasper wants to buy a bike that costs £56. His grandad gives him  $\frac{2}{8}$  of the total cost. How much did Jasper still have to pay?