Fraction Word Problems

Remember to use RUDELY to help you decide what maths you need to use.

1. You give 1/3 of box of brownies to Ella and 1/6 of the pan of brownies to Nick. How much of the box of brownies did you give away?
2. James went out for a long walk. He walked 3/4 mile and then sat down to take a rest. Then he walked 1/8 of a mile. How far did he walk altogether?
3. Sam walks 7/8 of a mile to school. Alice walks 1/2 of a mile to school. How much farther does Sam walk than Alice?
4. Billy made two types of cookies. He used 2/3 cup of sugar for one recipe and 1/4 cup of sugar for the other. How much sugar (in cups) did he use in all?
5. There is 3/8 of a pizza in one box and 1/4 of a pizza in another box. How much do you have altogether?
6. 1/10 of the M&M’s in a bag are red and 1/5 are blue. What fraction of all the M&M’s are red and blue?
7. A jug contains 3/4 pints of orange juice. After you pour 5/8 of a pint into a glass, how much is left in the jug?
8. Jackie has 1/3 of a Galaxy bar. Nathan has 4/12 of a Galaxy bar. How much do they have together?
9. At a class party 3/6 of a vegetarian pizza and 1/3 of a meat-feast pizza were eaten. How much pizza was eaten altogether?
10. Amy ran 2/3 of a marathon. Beth ran 5/6 of a marathon. Who ran farther? How much farther?
11. Liam and Sam shared a chocolate bar. Liam ate 3/5 and Sam ate 4/10. Who ate more? How much more?
12. A running track is one kilometre long. If I jog for 1/6km and run for 2/3km will I complete the full distance of the track?

CHALLENGE!

These ones involve mixed numbers and are a bit trickier. See how many you can solve.

1. For the school’s sports day, a group of students prepared 12 1/2 litres of lemonade. At the end of the day they had 2 5/8 litres left over. How many litres of lemonade were sold?
2. 3 4/6 mini-pizzas were left in the fridge; the children ate 1 2/3 of them. How much pizza is left for the adults? Give your answer as a mixed number and as an improper fraction?
3. Extension: Create your own mixed number/improper fraction multi-step word problem for your partner to solve…

Solving Problems with Fractions!

Remember to use RUCSAC to help you decide what maths you need to use.

1. You give 1/3 of box of brownies to Ella and 1/6 of the pan of brownies to Nick. How much of the box of brownies did you give away? 3/6 or 1/2
2. James went out for a long walk. He walked 3/4 mile and then sat down to take a rest. Then he walked 1/8 of a mile. How far did he walk altogether? 7/8 of a mile.
3. Sam walks 7/8 of a mile to school. Alice walks 1/2 of a mile to school. How much farther does Sam walk than Alice? Alice – 4/8, so Sam walks 3/8 more.
4. Billy made two types of cookies. He used 2/3 cup of sugar for one recipe and 1/4 cup of sugar for the other. How much sugar (in cups) did he use in all? 11/12 of a cup
5. There is 3/8 of a pizza in one box and 1/4 of a pizza in another box. How much do you have altogether? 5/8
6. 1/10 of the M&M’s in a bag are red and 1/5 are blue. What fraction of all the M&M’s are red and blue? 3/10
7. A jug contains 3/4 pints of orange juice. After you pour 5/8 of a pint into a glass, how much is left in the jug? 1/8
8. Jackie has 1/3 of a Galaxy bar. Nathan has 4/12 of a Galaxy bar. How much do they have together? 8/12
9. At a class party, 3/6 of a vegetarian pizza and 1/3 of a meat-feast pizza were eaten. How much pizza was eaten altogether? 5/6
10. Amy ran 2/3 of a marathon. Beth ran 5/6 of a marathon. Who ran farther? How much farther? Amy ran 4/6 so Beth ran further by 1/6.
11. Liam and Sam shared a chocolate bar. Liam ate 3/5 and Sam ate 4/10. Who ate more? How much more? Liam ate 6/10, so 2/10 more.
12. A running track is one kilometre long. If I jog for 1/6km and run for 2/3km will I complete the full distance of the track? No, you will run 5/6

CHALLENGE!

These ones involve mixed numbers and are a bit trickier. See how many you can solve.

1. For the school’s sports day, a group of students prepared 12 1/2 litres of lemonade. At the end of the day they had 2 5/8 litres left over. How many litres of lemonade were sold? 79/8 or 9 7/8 litres.
2. 3 4/6 mini-pizzas were left in the fridge; the children ate 1 2/3 of them. How much pizza is left for the adults? Give your answer as a mixed number and as an improper fraction? 12/6 or 2 mini pizzas
3. Extension: Create your own mixed number/improper fraction multi-step word problem for your partner to solve…