Multiplying and Dividing Word Problems

1. Ben starts at 4 and counts up in twos. Will he say 23? How do you know?

2. Nate has 20 shells. He shares them between his friends. How many friends can Nate share the shells with so that they get the same amount each?

3. Sam has 2p and 5p coins. How many different ways can he buy an ice cream for 27p?

4. Daniel says, 'half of 24 is more than double 6.'
   Is Daniel correct? How do you know?

5. How many 5-a-side teams can be made from 30 children?

Multiplying and Dividing Word Problems

1. Ben starts at 4 and counts up in twos. Will he say 23? How do you know? Ben will not say 23 as it not a multiple of 2.

2. Nate has 20 shells. He shares them between his friends. How many friends can Nate share the shells with so that they get the same amount each? 1, 2, 4, 5, 10 or 20 friends

3. Sam has 2p and 5p coins. How many different ways can he buy an ice cream for 27p?
   - 5p + 2p + 2p + 2p + 2p + 2p + 2p + 2p + 2p + 2p + 2p
   - 5p + 5p + 5p + 2p + 2p + 2p + 2p + 2p + 2p
   - 5p + 5p + 5p + 5p + 5p + 2p

4. Daniel says, 'half of 24 is more than double 6.'
   Is Daniel correct? How do you know? Daniel is not correct. Half of 24 is 12, which is equal to double 6.

5. How many 5-a-side teams can be made from 30 children? 6 teams

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6. A beach ball is on sale for 25p. Ali and Lisa want to share the cost of the beach ball equally between them. Are they able to do this? Explain your answer.

7. A rounders team needs 10 players. How many players do you need to make more teams? What do you notice about your answers?

8. Postcards cost 5p each or 26p for a pack of 6. Tom wants to buy 6. How much will he save by buying the pack of 6, rather than buying the single postcards?

9. 10 sunflower seeds are planted in each flower bed. If there are 8 flower beds, how many seeds have been planted altogether?

10. Mikey can see 22 flip-flops. How many pairs of flip-flops is this?

Multiplying and Dividing Word Problems

6. A beach ball is on sale for 25p. Ali and Lisa want to share the cost of the beach ball equally between them. Are they able to do this? Explain your answer.
   No, 25 is not divisible by 2.

7. A rounders team needs 10 players. How many players do you need to make more teams? What do you notice about your answers? 1 team needs 10 players, 2 teams need 20, 3 teams need 30 etc. Number of players are multiples of 10.

8. Postcards cost 5p each or 26p for a pack of 6. Tom wants to buy 6. How much will he save by buying the pack of 6, rather than buying the single postcards? 4p

9. 10 sunflower seeds are planted in each flower bed. If there are 8 flower beds, how many seeds have been planted altogether? 80 seeds

10. Mikey can see 22 flip-flops. How many pairs of flip-flops is this? 11 pairs of flip-flops