Reasoning

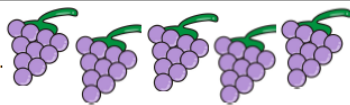**1.** Here are the grapes in a shop. Sam wants to buy forty grapes. Are there enough grapes?

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2. I get 50p pocket money a week. How many weeks will it take me to save £2?

3. When Max went to school he had 9 sweets. He gave 2 away. How many does he have now?

4. Do these calculations have the same answers? Write yes or no for each:

Calculations	Yes or No
4 + 2 and 2 + 4	
3 x 5 and 5 x 3	
20 – 3 and 3 – 20	
35 ÷ 5 and 5 ÷ 35	

Arithmetic

24 + ☐ = 39

66 - ☐ = 13

25 + 10 + 7 = ☐

41 - 19 - 6 = ☐

¼ of 40 = ☐

½ of 14 = ☐

10 X ☐ = 60

20 ÷ 2 = ☐

5. Sara has 8 balls. Sana has 10 balls. They put all their balls together and share them equally between 2 buckets. How many balls are there in each bucket? Show your working.

Reasoning

1. There are two triangles below. True or false?

Explain your answer.

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2. Look at the calculations below. Can you spot the mistake?

32cm < 44cm

2cm > 2m

3. Sarah is weighing three bags.

The green bag is heavier than the red bag. The blue bag is lighter than the red bag. Order the bags from heaviest to lightest.

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If the red bag weighs 7kg, what could the other bags weigh?

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Arithmetic

34 + 21 = ☐

48 - 39 = ☐

41 + 17 + 8 = ☐

70 - 13 - 12 = ☐

¼ of 32 = ☐

½ of 22 = ☐

6 X ☐ = 30

☐ ÷ 4 = 10

4. 50 fish live in a lake. One day a family go fishing.
Dad catches 9 fish.
Mum catches 5 fish.
Jack catches 7 fish.
Jenny catches 3 fish.
How many does the family catch altogether?

How many fish are left in the pond?