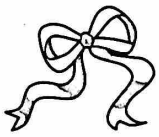
Write as **equations** and **solve**.

6. 
Alan had some sweets.
He gave 17 to his friends. He had 25 left.
How many sweets had he at first? _____

7. 
Ruth has some acorns.
If she had 16 more, she would have 53 acorns.
How many acorns has she? _____

8. 
$\frac{4}{9}$ of the cars in a garage are red.
If there are 36 red cars,
how many cars are there in the garage altogether? _____

9. 
3 out of every 5 children in a group have brown hair.
If 45 children have brown hair,
how many children are there in the group? _____

10. 
Joan cut a length of ribbon into 6 equal parts.
If each part was 24cm long,
how long was the ribbon before it was cut? _____

You may use your **calculator** to help you to do these.
(**Note — multiplication** and **division** come before **addition** and **subtraction**.)

11. **(a)** $27 + 38 \times 19 =$ _____ **(b)** $18 \times 35 + 46 =$ _____

12. **(a)** $39 + 602 \div 7 =$ _____ **(b)** $768 \div 8 + 53 =$ _____

13. **(a)** $138 - 325 \div 5 =$ _____ **(b)** $56 \times 73 - 679 =$ _____

14. **(a)** $1666 \div 17 - 39 =$ _____ **(b)** $607 - 16 \times 27 =$ _____

Write the correct operation sign (+, –, × **or** ÷) in the spaces below to make these sentences true.

15. **(a)** 7 ____ (5 ____ 9) = 52 **(b)** (8 ____ 6) ____ 7 = 41

16. **(a)** (15 ____ 8) ____ 6 = 42 **(b)** 5 ____ (12 ____ 3) = 45

17. **(a)** (60 ____ 6) ____ 8 = 80 **(b)** (23 ____ 17) ____ 9 = 54

18. **(a)** (7 ____ 8) ____ 16 = 31 **(b)** (54 ____ 6) ____ 25 = 34

19. **(a)** (332 ____ 4) ____ 29 = 54 **(b)** (38 ____ 7) ____ 6 = 270

20. Complete this table of variables showing the **time**, **speed** and **distance** covered.

time	2 hrs	$2\frac{1}{2}$ hrs	3 hrs	$3\frac{1}{2}$ hrs		$2\frac{1}{2}$ hrs
average speed (km/h)	27	28		36	26	
distance covered (km)			102		104	90