Fair Share

Standard difficulty · 20 questions · 40 marks · Time: 54 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. What is double 5?
(a) 10 **(b)** 15 **(c)** 5 **(d)** 11

2. What is a quarter of 40?
(a) 9 **(b)** 11 **(c)** 20 **(d)** 10

3. 6 is half of which number?
(a) 3 **(b)** 8 **(c)** 12 **(d)** 24

4. Two halves make:
(a) nothing **(b)** one quarter **(c)** one whole **(d)** two wholes

5. I am less than double 7 and more than half of 8. Which number could I be?
(a) 15 **(b)** 3 **(c)** 10 **(d)** 4

6. How far is 15 from double 6?
(a) 3 **(b)** 5 **(c)** 4 **(d)** 2

7. A chocolate bar is cut into 4 equal pieces. One of the pieces is eaten. What part is eaten?
(a) One quarter **(b)** Half **(c)** Three quarters **(d)** The whole

8. 18 children are split into two equal teams. How many are in each team?
(a) 9 **(b)** 10 **(c)** 8 **(d)** 11

Section B — Short answer — 8 × 2 = 16 marks

9. Double 15 is ___. Half of 30 is ___.

10. What is a quarter of 44? What is half of 44?

11. There are 36 kites. Three quarters of them are orange. How many are orange?

12. 11 is half of ___. 11 is double ___.

13. How many halves make one whole? How many quarters?

14. Dev has 24 sweets and gives half to a friend. How many does Dev have left?

15. How far is 4 from double 6?

16. How many quarters make 12 halves?

Section C — Word problems — 4 × 4 = 16 marks

17. Amma makes 40 laddoos. She keeps a quarter for the family, gives half to the neighbours and the rest to the guard. How many does each get?

18. Ravi has 15 marbles. Pari has double that number. How many marbles does Pari have? How many do they have together?

19. A garland has 32 flowers. A quarter are red, half are orange and the rest are pink. How many of each colour?

20. Tara and Aman share 20 cards fairly. Then Tara gives half of hers to her sister. How many does each child have now?

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Answer key

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Q	Answer	Working
1	**(a) 10**	5 + 5
2	**(d) 10**	40 shared equally among 4
3	**(c) 12**	double 6
4	**(c) one whole**	—
5	**(c) 10**	double 7 = 14; half of 8 = 4; I am between them
6	**(a) 3**	double 6 = 12
7	**(a) One quarter**	1 of 4 equal pieces
8	**(a) 9**	half of 18
9	**30; 15**	—
10	**11; 22**	44 ÷ 4 = 11; 44 ÷ 2 = 22
11	**27**	a quarter of 36 is 9; three quarters is 3 × 9
12	**22; 11 is odd, so it is not double a whole number**	—
13	**2 halves; 4 quarters**	—
14	**12**	half of 24
15	**8**	double 6 = 12
16	**24**	two quarters make a half
17	**family 10, neighbours 20, guard 10**	a quarter of 40 = 10; half = 20; rest = 40 − 30 = 10
18	**30; 45 together**	double 15 = 30; 15 + 30
19	**red 8, orange 16, pink 8**	—
20	**Aman 10, Tara 5, sister 5**	half of 20 = 10; half of 10 = 5