Fun at Class Party!

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. Which of these is longer than 1 metre?

(a) a cricket pitch **(b)** a pencil
(c) a matchbox **(d)** a crayon

2. How many quarter metres make 5 metres?

(a) 22 **(b)** 16 **(c)** 20 **(d)** 24

3. How many cuts are needed to cut a ribbon into 3 pieces?

(a) 1 **(b)** 3 **(c)** 2 **(d)** 4

4. Asha measures a table with handspans and gets 9. Riya measures the same table and gets 7. Whose handspan is longer?

(a) The table changed **(b)** Asha
(c) Riya **(d)** Both are the same

5. How many half metres make 1 metre?

(a) 2 **(b)** 10 **(c)** 4 **(d)** 1

6. 14 pieces of wire are each half a metre long. Joined end to end, how long are they?

(a) 28 metres **(b)** 14 metres **(c)** 8 metres **(d)** 7 metres

7. Aman’s piece of cloth is a quarter of a metre long and Meena’s is half a metre long. Which is longer?

(a) You cannot tell **(b)** Aman’s (a quarter of a metre)
(c) Meena’s (half a metre) **(d)** They are the same

8. How many half-metre pieces can be cut from 4 metres of cloth?

(a) 8 **(b)** 9 **(c)** 7 **(d)** 10

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

9. How many half metres make 2 metres?

10. Asha cuts a long paper strip into 9 equal pieces. How many cuts does she make?

11. Is an eraser more or less than 1 metre long?

12. 12 quarter-metre sticks are laid end to end. How long is the line?

13. How many quarter metres make 8 and a half metres?

14. Neel walks across the room in 14 footsteps. Aman needs 17 footsteps. Who takes longer steps? Why?

15. How many quarter-metre pieces can be cut from 8 metres of ribbon?

16. To cut a long cake into 12 slices with straight cuts across it, how many cuts are needed?

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

17. For the class party, Ms Rao has 5 metres of ribbon and cuts it into pieces that are each a quarter of a metre long. (a) How many pieces are there? (b) How many cuts are made?

18. Sort these into “more than 1 metre” and “less than 1 metre”: a bed, an eraser, a key, a cricket pitch.

19. Riya, Dev and Meena measured the same desk with handspans: Riya got 8, Dev got 6 and Meena got 5. Who has the longest handspan? Who has the shortest? Why do they get different answers?

20. Aman joins 13 pieces of string, each half a metre long. How long is the string? Is it more or less than 2 metres?

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Answer key

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Q	Answer	Working
1	**(a) a cricket pitch**	—
2	**(c) 20**	4 quarters in each metre: 4 × 5
3	**(c) 2**	one cut fewer than the number of pieces
4	**(c) Riya**	the longer handspan needs fewer spans
5	**(a) 2**	—
6	**(d) 7 metres**	two halves make one metre
7	**(c) Meena's (half a metre)**	a quarter < a half < three quarters
8	**(a) 8**	2 halves in each metre: 2 × 4
9	**4**	2 × 2
10	**8**	—
11	**Less than 1 metre**	—
12	**3 metres**	4 quarters make 1 metre
13	**34**	4 × 8 + 2
14	**Neel, because fewer steps cover the same length**	—
15	**32**	4 × 8
16	**11**	one fewer than the slices
17	**(a) 20 pieces; (b) 19 cuts**	4 × 5; one fewer cut than pieces
18	**more: a bed, a cricket pitch; less: an eraser, a key**	—
19	**Longest: Meena; shortest: Riya. Their handspans are different lengths, which is why we need a standard unit like the metre.**	—
20	**6 and a half metres; more than 2 metres**	two halves make a metre

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