Cotuz

Name: Date:

Multiplying Fractions

Grade 5 · Ages 10-11 · Math · Fractions · ★★

Multiply. Write each answer in simplest form on the line; an answer bigger than 1 can be a mixed number, like 15/8 = 1 7/8. For a word problem, write the number sentence and the answer with its unit.

1. 5/9 × 1/5 = _____

2. 1 1/6 × 4 = _____

3. 3/10 × 3/4 = _____

4. 1 1/5 × 2 = _____

5. 4/9 × 3/10 = _____

6. 3 5/6 × 5 = _____

7. 2 3/5 × 6 = _____

8. 7/10 × 1/4 = _____

9. 9/10 × 1/3 = _____

10. A road is 1/5 km long. Ishaan has cycled 4/5 of it. How far has Ishaan cycled, in km?

_____

11. 1 2/3 × 2 = _____

12. 8/9 × 2/5 = _____

13. A bike ride is 1/4 km long. Nadia has ridden 5/6 of it. How far has Nadia ridden, in km?

_____

14. $3\ 2/3 \times 2 =$ _____

15. $8/9 \times 1/2 =$ _____

16. A piece of string is 1/3 m long. Maya cuts off 1/4 of it. How long is the piece Maya cuts off, in m?

_____

17. $3\ 1/4 \times 5 =$ _____

18. $7/10 \times 5/8 =$ _____

19. $3\ 1/5 \times 4 =$ _____

20. $1/5 \times 2/3 =$ _____

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ANSWER KEY

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1. 5/9 × 1/5 = **5/45 = 1/9**

2. 1 1/6 × 4 = **28/6 = 4 2/3**

3. 3/10 × 3/4 = **9/40**

4. 1 1/5 × 2 = **12/5 = 2 2/5**

5. 4/9 × 3/10 = **12/90 = 2/15**

6. 3 5/6 × 5 = **115/6 = 19 1/6**

7. 2 3/5 × 6 = **78/5 = 15 3/5**

8. 7/10 × 1/4 = **7/40**

9. 9/10 × 1/3 = **9/30 = 3/10**

10. A road is 1/5 km long. Ishaan has cycled 4/5 of it. How far has Ishaan cycled, in km?

Answer: 4/5 × 1/5 = 4/25 km

11. 1 2/3 × 2 = **10/3 = 3 1/3**

12. 8/9 × 2/5 = **16/45**

13. A bike ride is 1/4 km long. Nadia has ridden 5/6 of it. How far has Nadia ridden, in km?

Answer: 5/6 × 1/4 = 5/24 km

14. 3 2/3 × 2 = **22/3 = 7 1/3**

15. 8/9 × 1/2 = **8/18 = 4/9**

16. A piece of string is 1/3 m long. Maya cuts off 1/4 of it. How long is the piece Maya cuts off, in m?

Answer: 1/4 × 1/3 = 1/12 m

17. 3 1/4 × 5 = **65/4 = 16 1/4**

18. 7/10 × 5/8 = **35/80 = 7/16**

19. 3 1/5 × 4 = **64/5 = 12 4/5**

20. 1/5 × 2/3 = **2/15**