Practice Video Tools Games

Another Look!

Marco hiked 2.5 miles in an hour. If he continues at the same speed, how far will he hike in 3.25 hours?

$2.5 \times 3.25 =$

$= (25 \times 325) \times (0.1 \times 0.01)$

$= 8{,}125 \times 0.001$

$= 8.125$

Marco will hike 8.125 miles in 3.25 hours.

> Remember, one tenth times one hundredth equals one thousandth.

1. To find 0.6×0.35, multiply the whole numbers __**6**__ and __**35**__ by the decimals __**0.1**__ and __**0.01**__. The product is __**0.21**__.

In **2–16**, write each product.

2. 0.2×0.9
0.18

3. 0.58×0.3
0.174

4. 2.5×0.77
1.925

5. 3.1×0.4
1.24

6. 0.07×1.2
0.084

7. 14.3×0.8
11.44

8. 0.1×2.85
0.285

9. 1.18×0.6
0.708

10. 9.2×0.01
0.092

11. 0.45×5.5
2.475

12. 3.9×3.9
15.21

13. 0.16×0.5
0.08

14. 0.55×6.9
3.795

15. 0.1×7.25
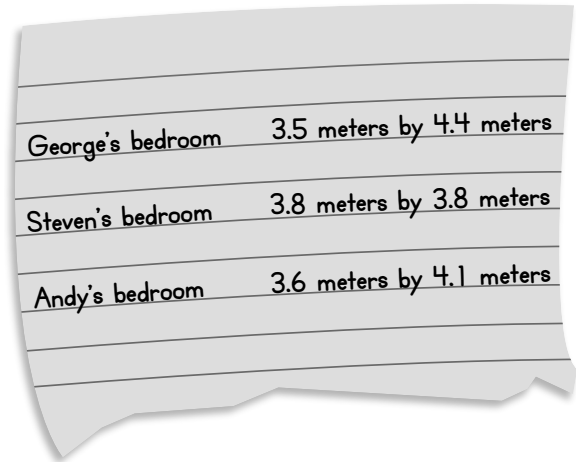**0.725**

16. 0.13×0.5
0.065

17. Helen uses 0.12 kilogram of nuts in each batch of granola that she makes. If she makes 2.5 batches, how many kilograms of nuts will she use?

0.3 kg

18. The weight of an empty pickup truck is 2.1 times the weight of an empty car. If the empty car weighs 1.8 tons, how many tons does the pickup weigh carrying a 0.5-ton load? **4.28 tons**

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19. Make Sense and Persevere Mr. Chaplin measured his sons' rectangular bedrooms for new carpeting. Whose bedroom has the greatest area?

George's bedroom

George's bedroom   3.5 meters by 4.4 meters

Steven's bedroom   3.8 meters by 3.8 meters

Andy's bedroom   3.6 meters by 4.1 meters

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20. Higher Order Thinking Hank has a board 1.75 meters long. He used 0.8 meter to build the walls of a birdhouse. He used 0.4 of what is left for the floor. He needs 0.6 meter for the roof. Does he have enough wood for the roof? Explain.

No. After building the walls, the amount he had left was 1.75 − 0.8 = 0.95 meter. For the floor, he used 0.4 × 0.95 = 0.38 meter. Now, the amount he has left is 0.95 − 0.38 = 0.57 meter. Since 0.57 meter < 0.6 meter, he does not have enough wood.

21. The times for five sprinters in a 50-meter dash were 6.72 seconds, 6.4 seconds, 6.08 seconds, 7.03 seconds, and 6.75 seconds. Write these times from fastest to slowest.

6.08 seconds, 6.4 seconds, 6.72 seconds, 6.75 seconds, 7.03 seconds

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✅ **Assessment Practice**

22. Which expression is equivalent to 1.18×0.6?

    Ⓐ $(1.18 \times 0.01) \times (0.6 \times 0.1)$

    Ⓑ $(118 \times 0.01) \times (6 \times 0.1)$

    Ⓒ $(118 \times 100) \times (6 \times 10)$

    Ⓓ $(118 \times 0.1) \times (6 \times 0.1)$

23. Which expression is equivalent to 0.4×8.7?

    Ⓐ $(4 \times 87) \times (0.01 \times 0.1)$

    Ⓑ $(4 \times 87) \times (100 \times 10)$

    Ⓒ $(4 \times 87) \times (0.01 \times 0.01)$

    Ⓓ $(4 \times 87) \times (0.1 \times 0.1)$