Dividing Multiples of 10 and 100

You can use math facts and patterns to help you divide mentally.

What is 480 ÷ 6?

You already know that 48 ÷ 6 = 8.

480 has one more zero than 48, so place one more zero in the quotient.

480 ÷ 6 = 80.

What is 60,000 ÷ 6?

60 ÷ 6 = 10

60,000 has three more zeros than 60, so place three zeros in the quotient.

60,000 ÷ 6 = 10,000.

Find each quotient. Use mental math.

1. 32 ÷ 8 =

_____

2. 320 ÷ 8 =

_____

3. 3,200 ÷ 8 =

_____

4. 32,000 ÷ 8 =

_____

5. 56 ÷ 7 =

_____

6. 560 ÷ 7 =

_____

7. 5,600 ÷ 7 =

_____

8. 56,000 ÷ 7 =

_____

9. 15 ÷ 3 =

_____

10. 150 ÷ 3 =

_____

11. 1,500 ÷ 3 =

_____

12. 15,000 ÷ 3 =

_____

13. Writing To Explain Explain how dividing 720 by 9 is like dividing 72 by 9.

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_____

Arlo has a newspaper delivery job. He wants to wrap each of his newspapers in a plastic bag to protect them from the rain. The newspapers are in bundles.

Arlo's Newspaper Delivery	
Number of bundles	12
Number of newspapers per bundle	9

Use mental math to answer the following questions.

14. How many bags will he use for 5 bundles? _____

15. How many bags will he use for 7 bundles? _____

16. How many bags will he use for all 12 bundles? _____

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