Finding the Whole from a Fraction of an Amount

1. Calculate each of the following:

   a. $56 \div 8$

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   b. $112 \div 4$

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   c. 15×3

   _____

   d. $63 \div 7$

   _____

   e. 7×13

   _____

   f. $120 \div 8$

   _____

   g. $144 \div 12$

   _____

   h. $143 \div 11$

   _____

   i. 2×19

   _____

   j. 3×18

   _____

2. $\frac{1}{2}$ of a number is 8. What is the original number?

   _____

3. $\frac{1}{4}$ of a number is 5. What is the original number?

   _____

4. $\frac{1}{10}$ of a number is 3.6. What is the original number?

   _____

5. $\frac{1}{3}$ of a number is 9. What is the original number?

   _____

6. $\frac{2}{3}$ of a number is 20. What is the original number?

   _____

7. $\frac{3}{7}$ of a number is 12. What is the original number?

   _____

8. $\frac{5}{8}$ of a number is 25. What is the original number?

   _____

9. $\frac{3}{5}$ of a number is 63. What is the original number?

   _____

10. $\frac{5}{6}$ of a number is 65. What is the original number?

   _____

11. A packet of crisps contains 4g of salt. $\frac{2}{28}$ of the mass of the packet is salt. Work out the mass of the packet of crisps.

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12. There are red and blue counters in a bag.

    $\frac{5}{6}$ of the counters are red.

    There are 20 red counters in the bag.

    Work out the total number of counters in the bag.

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13. The height of a sunflower increased by $\frac{5}{8}$ of its original height over five months. The sunflower grew 24cm by the end of the five months. Calculate the original height of the sunflower.

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14. A number increases by $\frac{1}{5}$ to 45. What is the original number?

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15. A number increases by $\frac{2}{3}$ to 24. What is the original number?

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16. A number decreases by $\frac{1}{4}$ to 42. What is the original number?

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Challenge

$\frac{1}{3}$ of a number is 6. Work out $\frac{1}{2}$ of the number.

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