Fractions of a Quantity

Find:

1. $\frac{1}{8}$ of 64 = _____
2. $\frac{1}{6}$ of 36 = _____
3. $\frac{1}{2}$ of 60 = _____
4. $\frac{5}{7}$ of 21 = _____
5. $\frac{1}{4}$ of 24 = _____
6. $\frac{4}{9}$ of 27 = _____
7. $\frac{1}{2}$ of 68 = _____
8. $\frac{2}{3}$ of 96 = _____
9. $\frac{6}{7}$ of 91 = _____
10. $\frac{2}{6}$ of 60 = _____

You have 48 sweets. You can choose between having a) $\frac{2}{3}$ or b) $\frac{5}{8}$ of the total amount of sweets.



Would you choose a or b so that you had the most amount of sweets?

Make sure you explain your answer.

You are cooking frozen peas. There are 63 frozen peas in a bag. You can use either $\frac{3}{7}$ or $\frac{4}{9}$ of the total amount of peas.



Which fraction of the frozen peas will you choose so that you have the least amount of peas to go with your Sunday dinner?

Explain your answer.

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Find:

1. $\frac{1}{9}$ of 684 = _____
2. $\frac{1}{6}$ of 156 = _____
3. $\frac{5}{6}$ of 348 = _____
4. $\frac{2}{6}$ of 294 = _____
5. $\frac{1}{2}$ of 782 = _____
6. $\frac{1}{4}$ of 580 = _____
7. $\frac{1}{8}$ of 632 = _____
8. $\frac{4}{6}$ of 360 = _____
9. $\frac{4}{6}$ of 192 = _____
10. $\frac{4}{5}$ of 655 = _____
11. $\frac{4}{5}$ of 955 = _____
12. $\frac{3}{6}$ of 282 = _____
13. $\frac{1}{4}$ of 156 = _____
14. $\frac{5}{9}$ of 198 = _____

Extension

Can you work backwards to figure out the answers to these questions?

a) $\frac{1}{2}$ of what number is 8?

b) $\frac{1}{4}$ of what number is 6?

c) $\frac{2}{5}$ of what number is 6?

d) $\frac{3}{8}$ of what number is 12?

e) $\frac{9}{10}$ of what number is 36?

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