

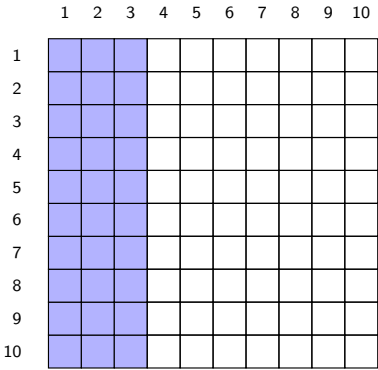
Percentages: Starters

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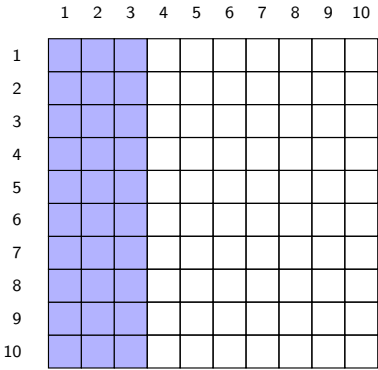
Starter



___ squares out of ___ are shaded

1. In the diagram how many squares are shaded? ____
2. How many total squares are there? ____
3. $70 + 30 =$ ____
4. $25 \times 4 =$ ____
5. What fraction of the square is shaded:
6. "Per cent" means "out of ____".
7. The shaded fraction = ____
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9. Write $\frac{1}{4}$ as a percentage. ____
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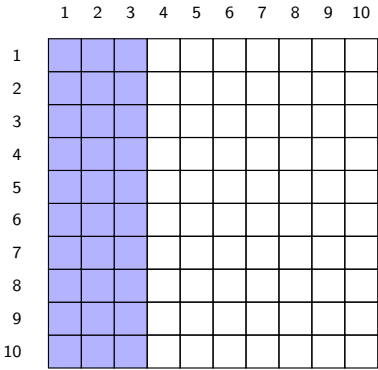
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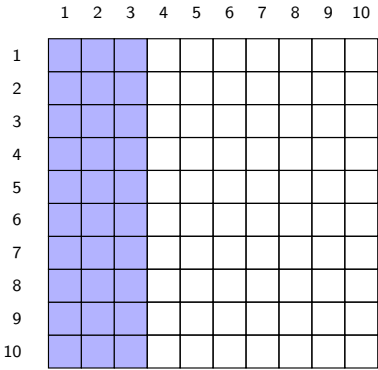
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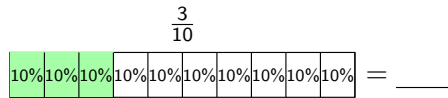
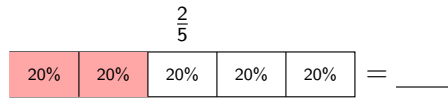
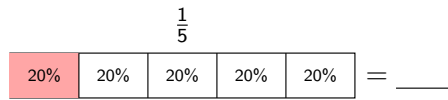
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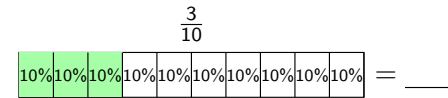
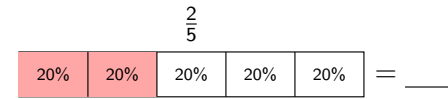
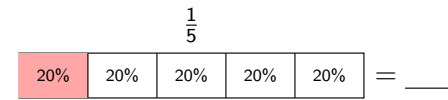
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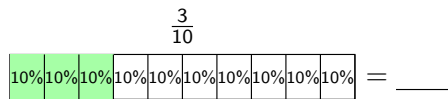
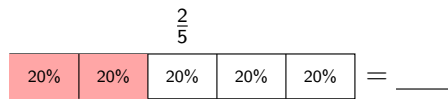
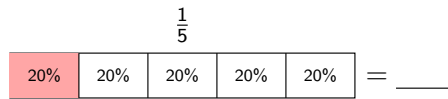
- $3 \times 20 = \underline{\hspace{1cm}}$
- $7 \times 10 = \underline{\hspace{1cm}}$
- $\frac{1}{5} = \underline{\hspace{1cm}}$
- $\frac{2}{5} = \underline{\hspace{1cm}}$
- $\frac{3}{10} = \underline{\hspace{1cm}}$
- $\frac{5}{3} = \underline{\hspace{1cm}}$
- $\frac{?}{10} = 70\%$
- $\frac{1}{?} = 25\%$
- $\frac{2}{25} = \underline{\hspace{1cm}}$
- $\frac{7}{8} = \underline{\hspace{1cm}}$
- Complete the conversion:
 $\frac{?}{4} = \frac{75}{?} = 75\%$

Starter



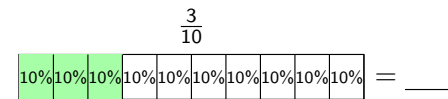
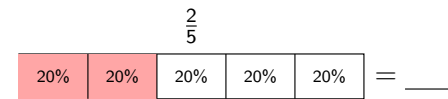
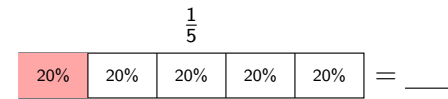
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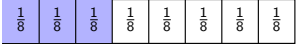
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$$\frac{1}{8} = 12.5\%$$



Questions

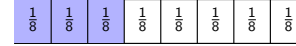
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2. Write $\frac{3}{10}$ as a percentage. ____
3. What does “per cent” mean?

4. Convert $\frac{3}{8}$ to a percentage. ____
5. What percentage of the second bar is shaded orange? ____
6. Convert $\frac{2}{3}$ to a percentage. ____
7. What is $\frac{4}{3}$ as a percentage, round your percentage to one decimal place.

8. What fraction does 0.1% equal?
9. What fraction does 0.003% equal?

Starter

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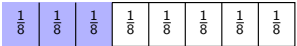
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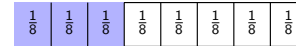
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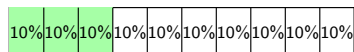
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1. $50\% + 50\% = \underline{\hspace{2cm}}$ 2. $25\% + 25\% = \underline{\hspace{2cm}}$

3. Write $\frac{1}{5}$ as a percentage: $\underline{\hspace{2cm}}$

4. Complete the sum represented by the diagram:



$$3 \times ?\% + \frac{1}{2} = 30\% + 25\% = 55\%$$



5. $20\% + \frac{3}{10} = \underline{\hspace{2cm}}$ 8. Which is larger: $\frac{3}{8}$ or 40%?



6. $\frac{1}{2} + 15\% = \underline{\hspace{2cm}}$

7. $45\% + \frac{1}{5} = \underline{\hspace{2cm}}$ 9. $\frac{2}{5} + \frac{3}{10} + 20\% = \underline{\hspace{2cm}}$

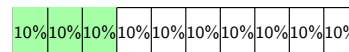
10. A class finishes $\frac{1}{3}$ of a project, then 20% more. What percentage have they completed in total?

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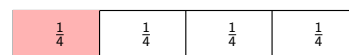
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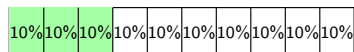
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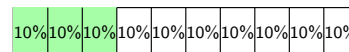
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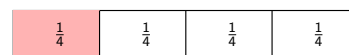
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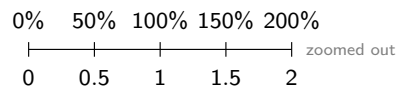
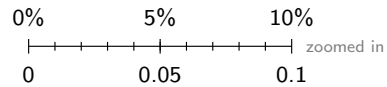
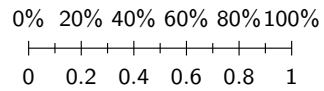
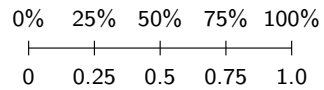


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3. Write $\frac{3}{10}$ as a decimal: $\underline{\quad}$

4. Write $\frac{7}{100}$ as a decimal: $\underline{\quad}$

5. $0.5 = \underline{\quad}$ 9. $0.125 = \underline{\quad}$

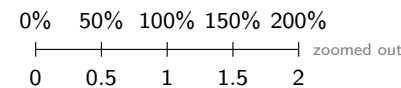
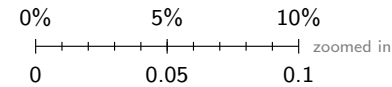
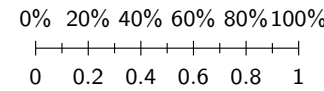
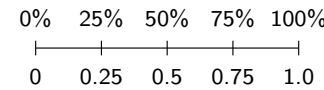
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8. $0.08 = \underline{\quad}$ 12. $0.92 \rightarrow \underline{\quad}$

13. *Challenge:* Convert 0.0625 to a %, then write as a fraction in simplest form.

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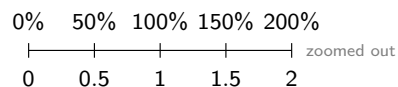
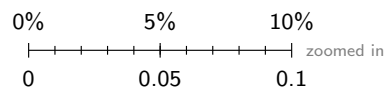
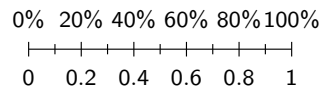
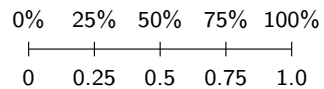
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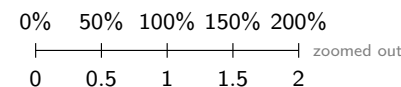
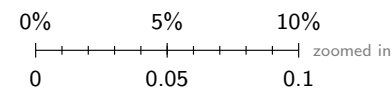
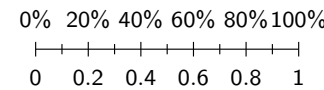
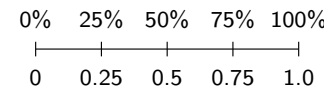
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