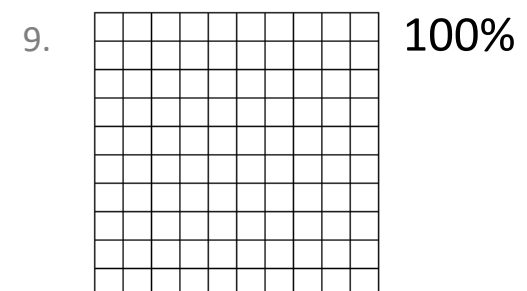
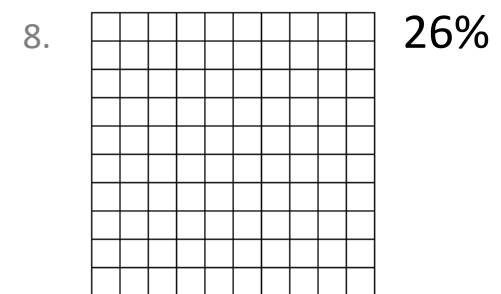
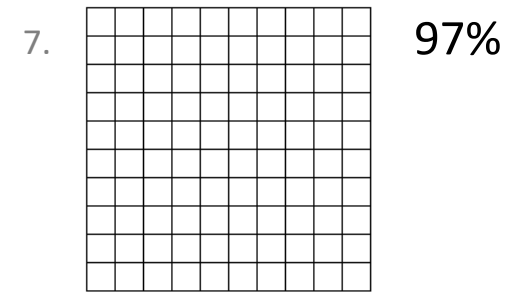
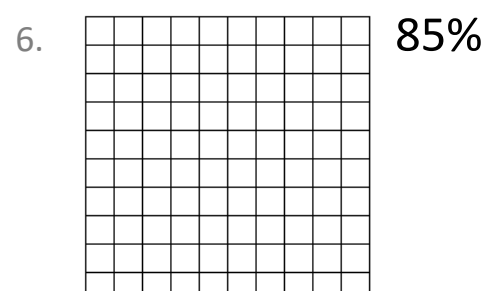
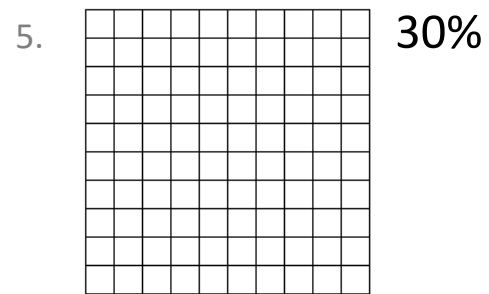
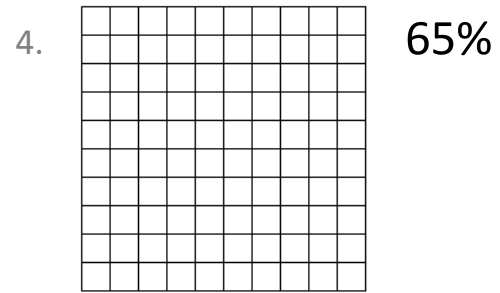
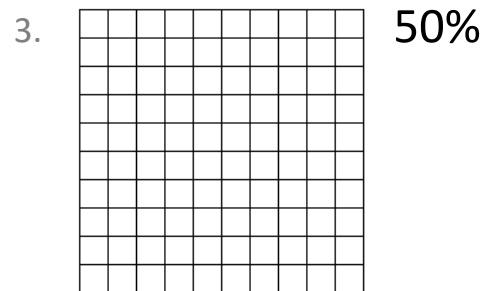
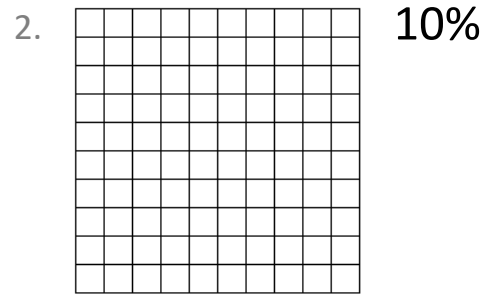
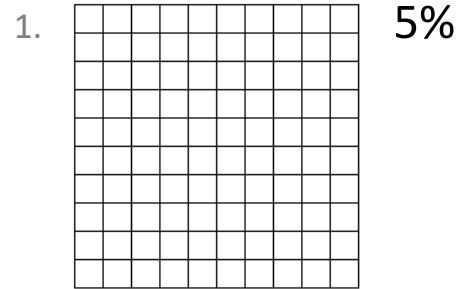


Day 1: Understand percentage as 'a number of parts per hundred'.

Shade the 100-grids to show the following percentages:



Day 2: Convert %s to numbers of tenths and hundredths and vice versa.

1. 20% =

2. 40% =

3. 80% =

4. 100% =

5. 2% =

6. 28% =

7. 75% =

8. 6% =

9. 84% =

10. 13% =

11. $\frac{50}{100}$ =

12. 0.7 =

13. $\frac{57}{100}$ =

14. 0.01 =

15. $\frac{6}{10}$ =

16. 3% =

17. 0.25 =

18. 0.9 =

19. $\frac{1}{10}$ =

20. 33% =

Half-way to the finish
(that's 50%, you know!)

All done – great effort!

Day 2: Convert %s to numbers of tenths and hundredths and vice versa.

1. 20% =

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3. 80% =

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20. 33% =

Half-way to the finish
(that's 50%, you know!)

All done – great effort!

Day 3: Find percentages of amounts.

1. 10% of 75 =
2. 10% of £55 =
3. 1% of £90 =
4. 1% of 4700m =
5. 40% of £500 =
6. 7% of £1100 =
7. 80% of £2000 =
8. 3% of £50 =
9. 99% of £1000 =
10. 25% of 240g =

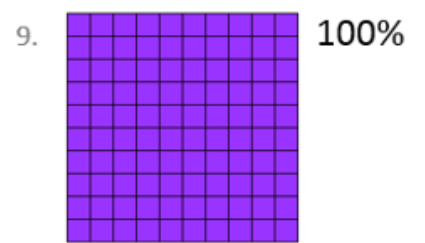
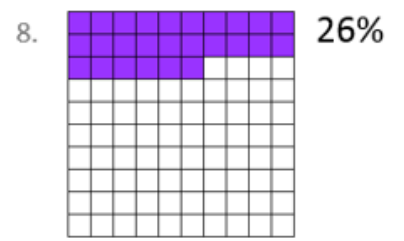
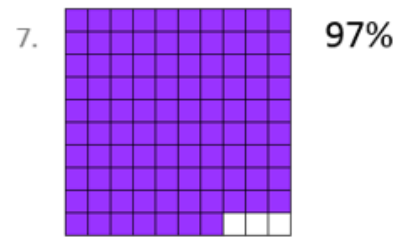
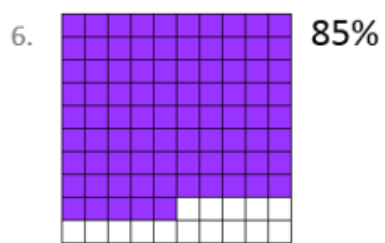
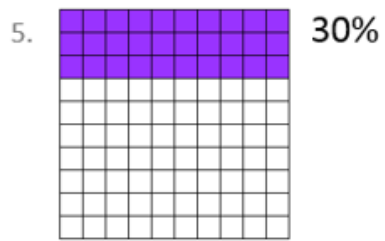
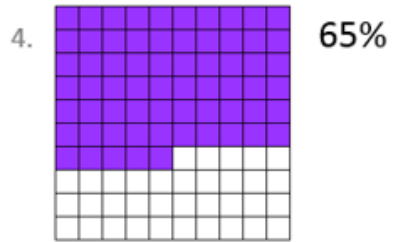
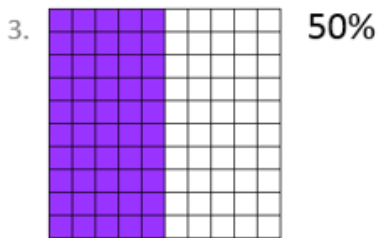
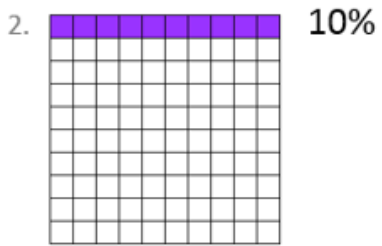
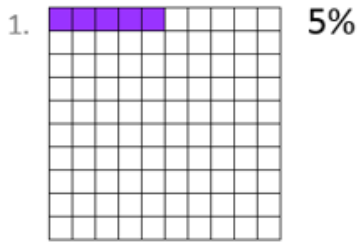
Challenge Cinema tickets are £12 each. On a Wednesday, tickets cost 30% less. Caitlin and Ali go together to see a film.
How much do their tickets cost in total?

Day 3: Find percentages of amounts.

1. 10% of 75 =
2. 10% of £55 =
3. 1% of £90 =
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5. 40% of £500 =
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8. 3% of £50 =
9. 99% of £1000 =
10. 25% of 240g =

Challenge Cinema tickets are £12 each. On a Wednesday, tickets cost 30% less. Caitlin and Ali go together to see a film.
How much do their tickets cost in total?

Day 1 Answers



Day 2 Answers

Day 2: Convert %s to numbers of tenths and hundredths and vice versa.

1. $20\% = \frac{20}{100} = 20\% = 0.2$

11. $\frac{50}{100} = 50\% = 0.5 = \frac{5}{10}$

2. $40\% = \frac{40}{100} = \frac{4}{10} = 0.4$

12. $0.7 = \frac{7}{10} = \frac{70}{100} = 70\%$

3. $80\% = \frac{80}{100} = \frac{8}{10} = 0.8$

13. $\frac{57}{100} = 57\% = 0.57$

4. $100\% = \frac{100}{100} = 1.00$

14. $0.01 = \frac{1}{100} = 0.01$

5. $2\% = \frac{2}{100} = 0.02$

15. $\frac{6}{10} = 0.6 = \frac{60}{100} = 60\%$

6. $28\% = \frac{28}{100} = 0.28$

16. $3\% = \frac{3}{100} = 0.03$

7. $75\% = \frac{75}{100} = 0.75$

17. $0.25 = \frac{25}{100} = 25\% = 0.25$

8. $6\% = \frac{6}{100} = 0.06$

18. $0.9 = \frac{90}{100} = 90\%$

9. $84\% = \frac{84}{100} = 0.84$

19. $\frac{1}{10} = 0.1 = \frac{10}{100} = 10\%$

10. $13\% = \frac{13}{100} = 0.13$

20. $33\% = \frac{33}{100} = 0.33$

Day 3 Answers

Day 3: Find percentages of amounts.

1. 10% of 75 = **7.5**
2. 10% of £55 = **£5.50**
3. 1% of £90 = **£0.9 = 90p**
4. 1% of 4,700m = **47m**
5. 40% of £500 = **£200**
6. 7% of £1,100 = **£77**
7. 80% of £2,000 = **£1,600**
8. 3% of £50 = **£1.50**
9. 99% of £1,000 = **£990** = £1,000 - 1%
= £1,000 - £10
10. 25% of 240g = **60g**
**Did you remember that 25% = $\frac{1}{4}$,
so calculating 'half and half again'?**

Challenge Cinema tickets are £12 each. On a Wednesday, tickets cost 30% less. Caitlin and Ali go together to see a film.

How much do their tickets cost in total?

$$\begin{aligned} 30\% \text{ of } £24 &= (£24 \div 10) \times 3 \\ &= £2.40 \times 3 \\ &= £7.20 \end{aligned}$$

$$\begin{aligned} \text{Cost} &= £24 - 30\% \\ &= £24 - £7.20 \\ &= \underline{£16.80} \end{aligned}$$