

Year 6

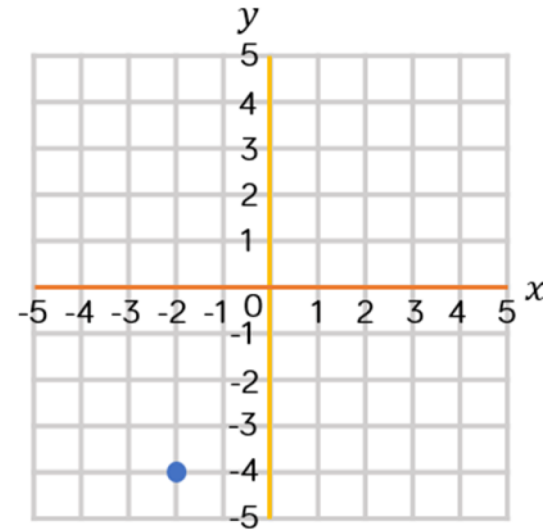
Percentages

- On **Monday, Wednesday** and **Friday**, we will be recapping and learning about **Percentages and Ratio**
- On **Tuesday** we will have our **Arithmetic** Lesson (At school with Mrs Whalley and at home with Mrs Anderton)

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MONDAY 6/7/20

- 1) Write 35% as a decimal.
- 2) What is 2.7×5 ?
- 3) What are the coordinates of the point?
- 4) What is $324 \div 4$?

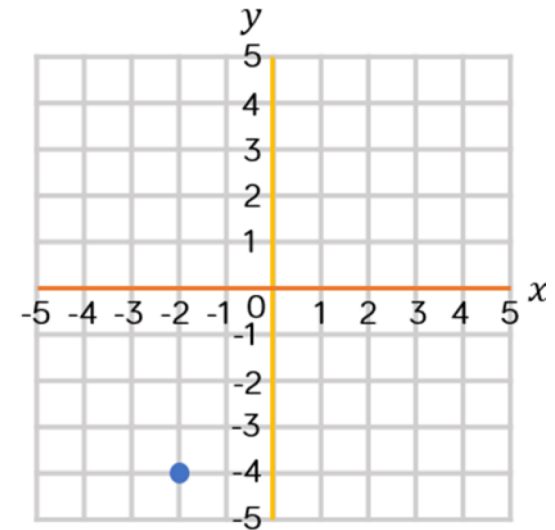


1) Write 35% as a decimal. **0.35**

2) What is 2.7×5 ? **13.5**

3) What are the coordinates of the point?
 $(-2, -4)$

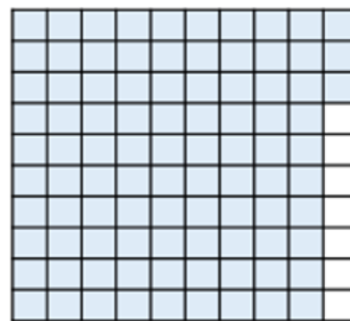
4) What is $324 \div 4$? **81**



- 1) Which is bigger, 35% or 0.6?
- 2) What percentage is shaded?
- 3) Work out $3\frac{4}{5} - 2\frac{3}{10}$
- 4) Divide 2,496 by 8

1) Which is bigger, 35% or 0.6? **0.6**

2) What percentage is shaded?



93%

3) Work out $3\frac{4}{5} - 2\frac{3}{10}$ **$1\frac{5}{10}$ or $1\frac{1}{2}$**

4) Divide 2,496 by 8 **312**

How to Find Percentages

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Value	50%	25%	75%		10%	5%	20%	30%	40%	1%
	Find $\frac{1}{2}$	Find $\frac{1}{4}$	Find $\frac{3}{4}$		$\div 10$	Half of 10%	How will we find these percentages?			
20										
50										
40										
60										

Complete this percentage Grid

Another Way to Find Percentages of Amounts

Convert the **percentage** to a decimal by dividing it by 100

Multiply this decimal by the number you are finding the **percentage** of

Example:

32% of 60

Step 1: $32 \div 100 = 0.32$

Step 2: $0.32 \times 60 = 19.2$

Practice finding these percentages of amounts

1. 20% of 35

2. 15% of 46

3. 55% of 60

4. 80% of 75

5. 30% of 80

6. 40% of 90

7. 60% of 120

8. 32% of 120

9. 46% of 100

10. 53% of 100

11. 81% of 150

12. 99% of 150

Practice finding these percentages of amounts

$$20\% \text{ of } 35 = 7$$

$$60\% \text{ of } 120 = 72$$

$$15\% \text{ of } 46 = 6.9$$

$$32\% \text{ of } 120 = 38.4$$

$$55\% \text{ of } 60 = 33$$

$$46\% \text{ of } 100 = 46$$

$$80\% \text{ of } 75 = 60$$

$$53\% \text{ of } 100 = 53$$

$$30\% \text{ of } 80 = 24$$

$$81\% \text{ of } 50 = 40.5$$

$$40\% \text{ of } 90 = 36$$

$$99\% \text{ of } 50 = 49.5$$

Can you see anything interesting about the last 4 questions?

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50% of 100 is the same as 100% of 50

$$50\% \text{ of } 100 = 50$$

$$100\% \text{ of } 50 = 50$$

30% of 10 is the same as 10% of 30

$$30\% \text{ of } 10 = 3$$

$$10\% \text{ of } 30 = 3$$

45% of 50 is the same as 50% of 45

$$45\% \text{ of } 50 = 22.5$$

$$50\% \text{ of } 45 = 22.5$$