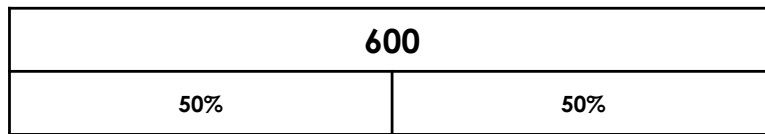


# Percentage of an Amount 1

1. Draw a line to match each calculation with the correct visual representation and answer.

A.

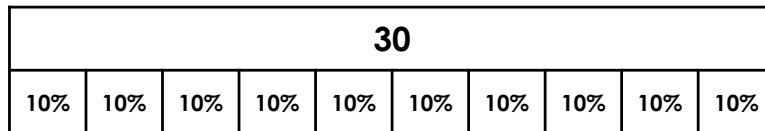
10%  
of 30



30

B.

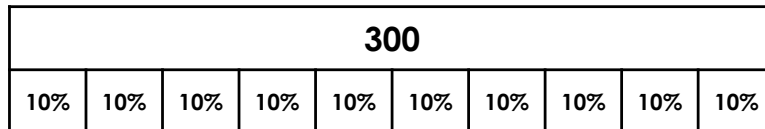
50%  
of 600



3

C.

10%  
of 300



300



VF  
HW/Ext

2. Decide whether the statements below are correct. Correct if necessary.

A. 50% of 40 is equivalent to  $\frac{1}{2}$  of 40. To calculate the answer, I must divide 40 by 5. The answer is 8.

B. 10% of 500 is equivalent to  $\frac{1}{10}$  of 500. To calculate the answer, I must divide 500 by 10. The answer is 5.

C. 50% of 30 is equivalent to  $\frac{1}{2}$  of 30. To calculate the answer, I must divide 30 by 2. The answer is 15.



VF  
HW/Ext

3. A pair of roller skates normally cost £90. There is currently 10% off everything in the shop.

Charlie says,



I think the skates will cost £81 in the sale.

Sasha says,



I think the skates will cost £9 in the sale.

Who is correct? Prove it.



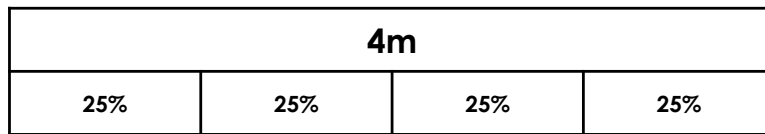
RPS  
HW/Ext

## Percentage of an Amount 1

4. Draw a line to match each calculation with the correct visual representation and answer.

A.

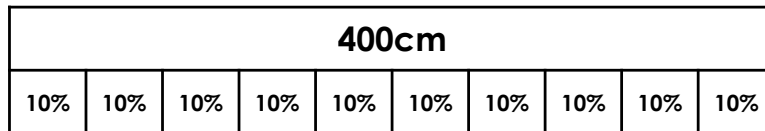
50%  
of 400cm



40cm

B.

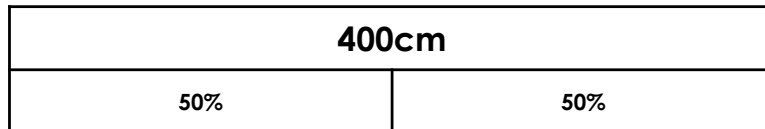
25%  
of 4m



1m

C.

10%  
of 400cm



200cm



VF  
HW/Ext

5. Decide whether the statements below are correct. Correct if necessary.

A. 1% of 600 is equivalent to  $\frac{1}{100}$  of 600. To calculate the answer, I must divide 600 by 100. The answer is 60.

B. 50% of 70 is equivalent to  $\frac{1}{2}$  of 70. To calculate the answer, I must divide 70 by 2. The answer is 35.

C. 25% of 164 is equivalent to  $\frac{1}{4}$  of 164. To calculate the answer, I must divide 164 by 2. The answer is 82.



VF  
HW/Ext

6. The front suspension, turbo-boost bike normally costs £460. There is currently 25% off everything in the shop.

Aito says,



I think the bike will cost  
£115 in the sale.

Polly says,



I think the bike will cost  
£345 in the sale.

Who is correct? Prove it.



RPS  
HW/Ext

## Percentage of an Amount 1

7. Complete each of the statements below.

A. 25% of 6.48m is equivalent to  $648\text{cm} \div \underline{\hspace{1cm}}$  =  $\underline{\hspace{1cm}}\text{cm}$

B. 50% of 0.87L is equivalent to  $\underline{\hspace{1cm}}\text{ml} \div 2$  =  $\underline{\hspace{1cm}}\text{ml}$

C. 1% of 59cm is equivalent to  $590\text{mm} \div \underline{\hspace{1cm}}$  =  $\underline{\hspace{1cm}}\text{mm}$



VF  
HW/Ext

8. Decide whether the statements below are correct. Correct if necessary.

A. 25% of 2.8m is equivalent to  $\frac{1}{4}$  of 280cm. To calculate the answer, I must divide 280cm by 4. The answer is 70cm.

B. 1% of 7km is equivalent to  $\frac{1}{100}$  of 7,000m. To calculate the answer, I must divide 7,000m by 10. The answer is 700m

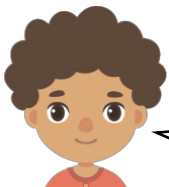
C. 50% of 730p is equivalent to  $\frac{1}{2}$  of £73.00. To calculate the answer, I must divide £73.00 by 2. The answer is £36.50.



VF  
HW/Ext

9. The Epic Wipeout Skateboard normally costs £581. There is currently 1% off everything in the shop.

Albie says,



I think the skateboard will cost £522.90 in the sale.

Lacey says,



I think the skateboard will cost £575.19 in the sale.

Who is correct? Prove it.



RPS  
HW/Ext

## Homework/Extension

### Percentage of an Amount 1

#### Developing

1.  $A = 3$ ,  $B = 300$ ,  $C = 30$
2. A is incorrect as you need to divide by 2 when finding 50% of an amount.  $40 \div 2 = 20$ .  
B is incorrect as  $500 \div 10 = 50$ . C is correct.
3. Charlie is correct. 10% of £90 = £9. This means that there will be £9 off in the sale.  
 $£90 - £9 = £81$

#### Expected

4.  $A = 200\text{cm}$ ,  $B = 1\text{m}$ ,  $C = 40\text{cm}$
5. A is incorrect as  $600 \div 100 = 6$ . B is correct. C is incorrect as you need to divide by 4 when finding 25% of an amount.  $164 \div 4 = 41$ .
6. Polly is correct. 25% of £460 = £115. This means that there will be £115 off in the sale.  
 $£460 - £115 = £345$

#### Greater Depth

7.  $A = 648\text{cm} \div 4 = 162\text{cm}$   
 $B = 870\text{ml} \div 2 = 435\text{ml}$   
 $C = 590\text{mm} \div 100 = 5.9\text{mm}$
8. A is correct. B is incorrect as you need to divide by 100 when finding 1% of an amount.  
 $7,000\text{m} \div 100 = 70\text{m}$ . C is incorrect as 730p is equivalent to £7.30.  $£7.30 \div 2 = £3.65$
9. Lacey is correct. 1% of £581 = £5.81. This means that there will be £5.81 off in the sale.  
 $£581 - £5.81 = £575.19$