

What is the correct story for the calculation?

$$31 - 20 = 11$$

A

Sam has 31 sweets and Tom has 20. What's the total amount of sweets?

B

Sam has 20 sweets and Tim has 31 more than him.

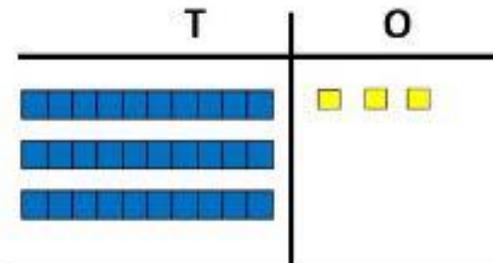
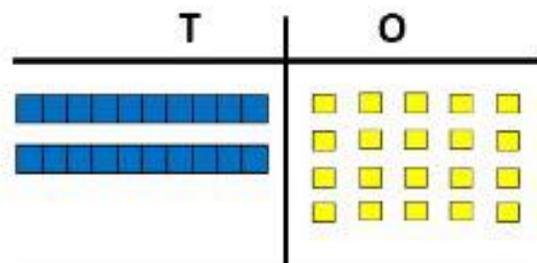
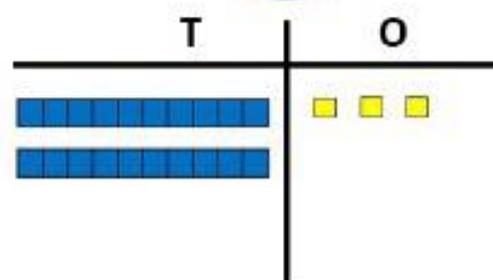
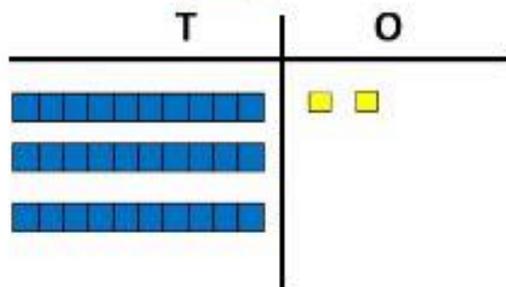
C

Sam has 31 sweets and eats 20 of them. How many does he have left?

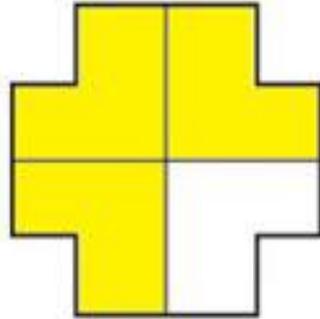
D

Sam has 31 sweets and eats 11 of them. How many does he have left?

Which image shows 32?



What fraction of the shape is yellow?



$$\frac{3}{1}$$



$$\frac{3}{4}$$



$$\frac{1}{4}$$



$$\frac{1}{3}$$

Which numbers **cannot** be in the boxes?

$$\square + \square + \square = 17$$



10, 5 and 2



10, 6 and 1



10, 7 and 0



10, 2 and 4

$$\frac{3}{4} \text{ of } 4 = \square$$



4



1

 $\frac{3}{4}$ 

3

Which number will continue the number pattern?

0, 3, 6, 9,



93



12



11



3

Which does not represent 67?



5 tens and 17 ones



3 tens and 37 ones

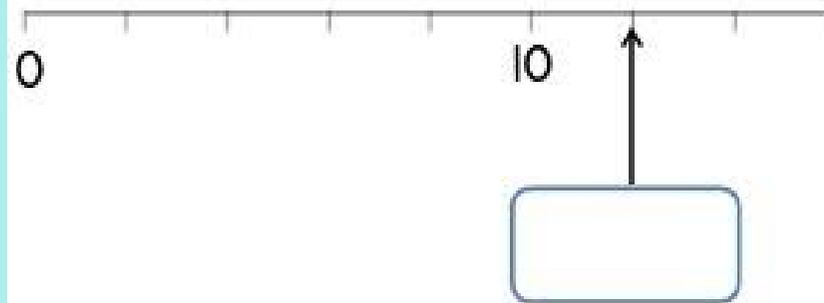
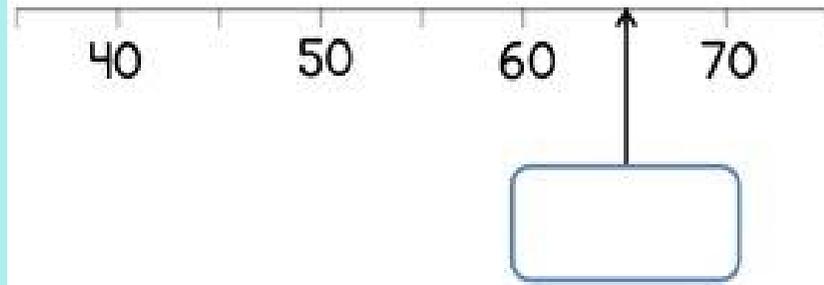


6 tens and 7 ones



7 tens and 6 ones

What number is each arrow pointing to?



Here are 3 number patterns.

0	5	●	15	20	25	30	35
---	---	---	----	----	----	----	----

82	72	62	52	42	32	▲	12
----	----	----	----	----	----	---	----

3	6	9	12	■	18	21	24
---	---	---	----	---	----	----	----

Three numbers are covered.

Order the symbols from the least to the greatest value.

What number is missing from each box?

2, 4, 6, 8,  12

25, 20, 15,  5

20, 30, 40, 50



10



9



0



Nothing

Here is the print of face from  
a 3D shape.

What could the shape be?



Sphere



Rectangle

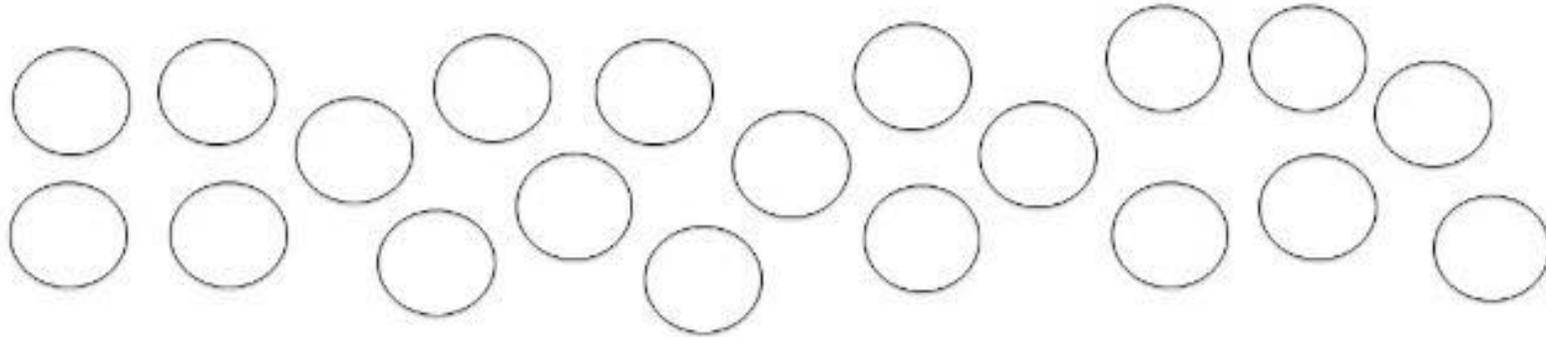


Cuboid



Cube

There are 20 sweets  
One quarter of the sweets are red.  
How many sweets are red?



15

 $\frac{1}{4}$ 

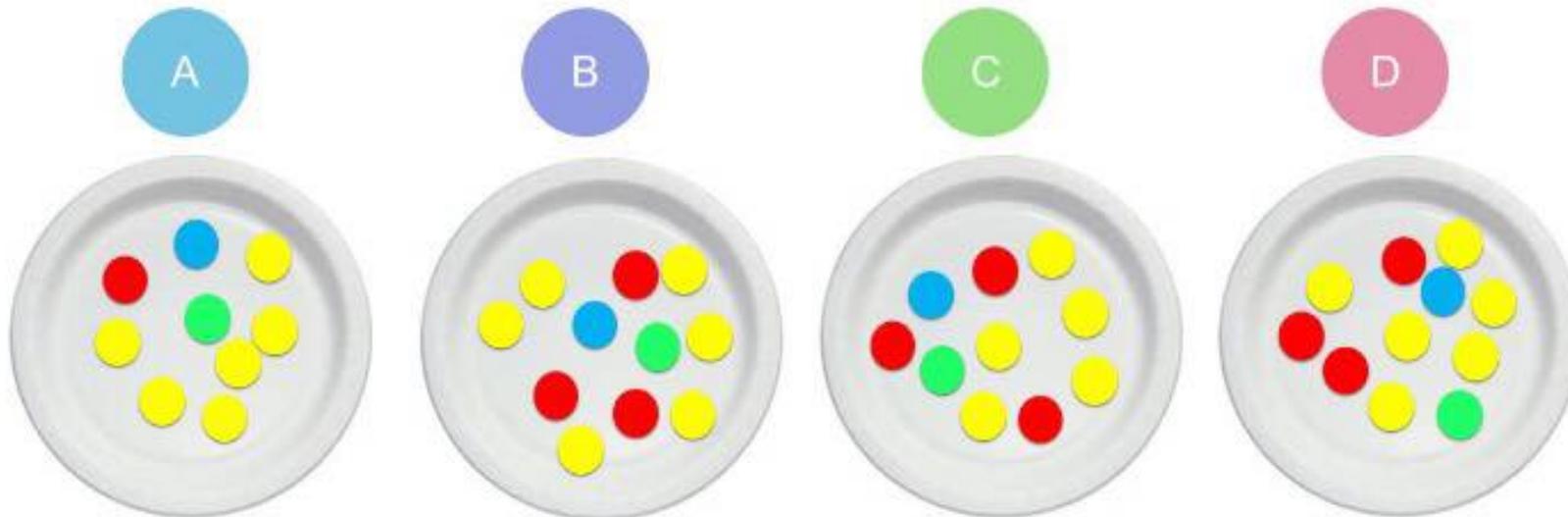
4



5

Which tub of counters matches the tally chart?

Red	III
Blue	
Green	
Yellow	



$$\frac{1}{\square} \text{ of } 15 = 5$$



5



2



3



20

Which symbol should go in the box?

2 tens and 5 ones  25 ones



+



<



>



=

Which of these calculations are incorrect?

1)  $15 + 10 = 25$

2)  $15 + 10 = 5$

3)  $12 + 12 = 24$

4)  $12 + 12 = 0$



2 and 4



2 only

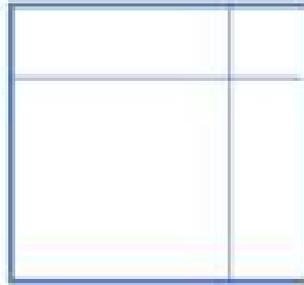


4 only



1 only

Has this shape been divided into quarters?



Explain your answer.

Three coins give a total of 15p.  
Which coins show the correct total?

A



B



C



D





Which other **coins** can also give a total of 20p?

A  $2p + 0p$

B  $17p + 3p$

C  $10p + 5p + 2p + 2p$

D  $5p + 5p + 5p + 2p + 2p + 1p$



Tiger	Rhino	Bull	Dragon	Wildcat
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What is the least popular animal?



Tiger



Dragon



Wildcat and Bull



Rhino



Jim puts two flowers in each vase.  
How many flowers altogether?

A

B

C

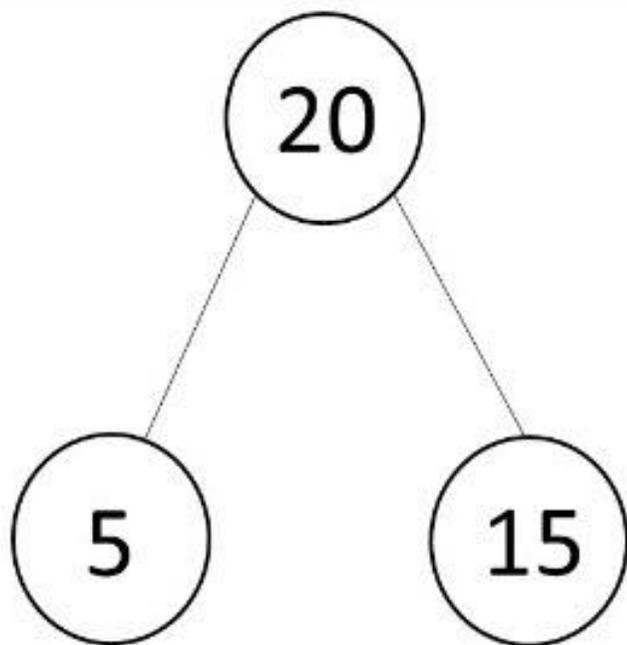
D

7

14

12

2



Which number sentence **does not** describe the part whole model?



$$20 - 5 = 15$$



$$20 - 15 = 5$$

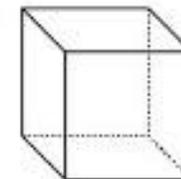
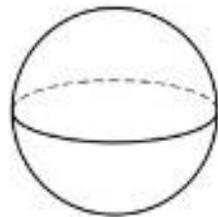
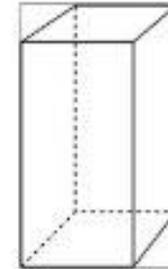
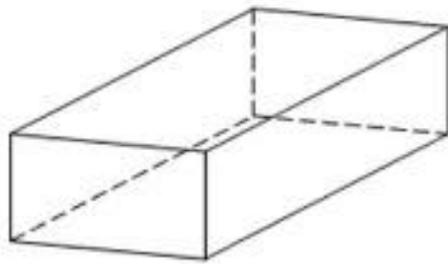


$$15 - 5 = 20$$



$$15 + 5 = 20$$

Which shape is **not** a cuboid?





What time is shown on the clock?



3 minutes past 3



Quarter past 3



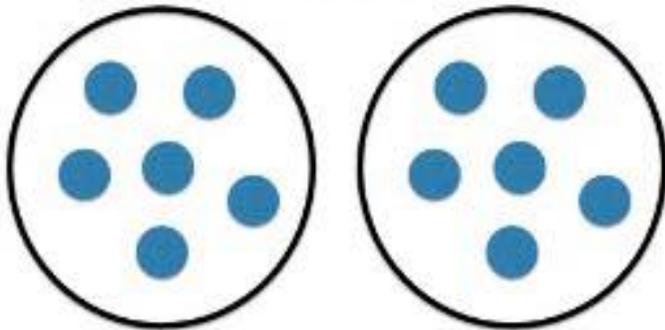
Quarter past 4



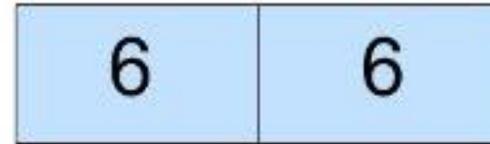
Quarter to 3

Which image represents  $12 \div 2$  ?

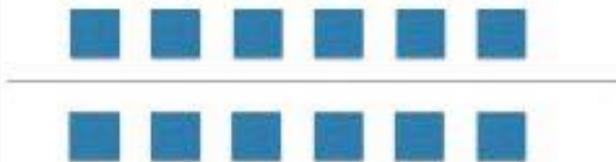
A



B



C



D

All of the above

Use the cards to make 4 **different** number sentences.

7      5      2

$$\square + \square = \square$$

$$\square = \square + \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$

$$17 + \square = 40$$



33



23

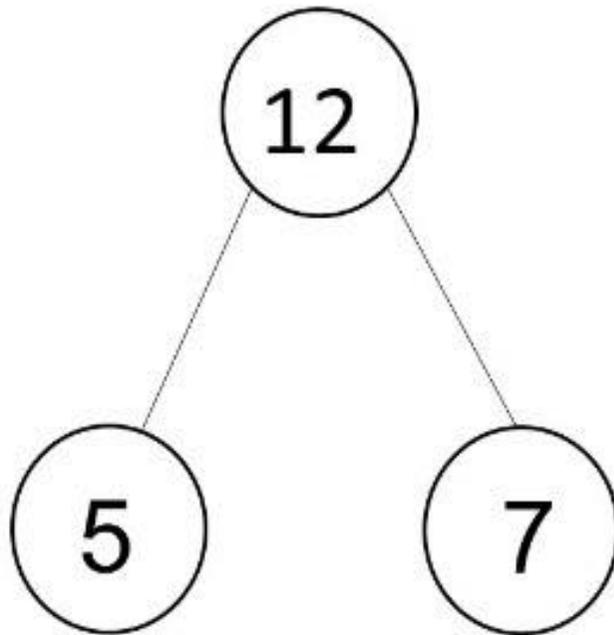


57



13

Which of the calculations is **not** represented by the diagram?



A

$$12 - 5 = 7$$

B

$$5 + 7 = 12$$

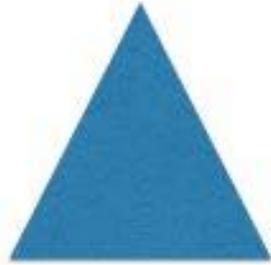
C

$$12 = 7 + 5$$

D

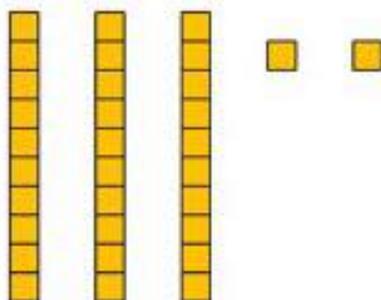
$$5 - 12 = 7$$

Which shape has more than 4 sides?

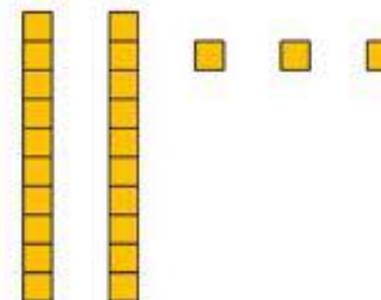


Which image represents 32?

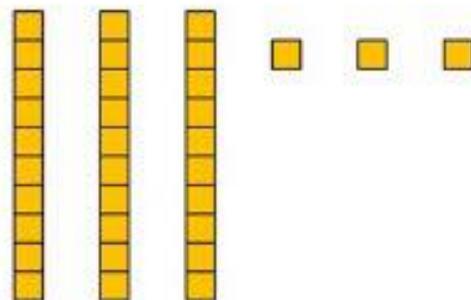
A



B

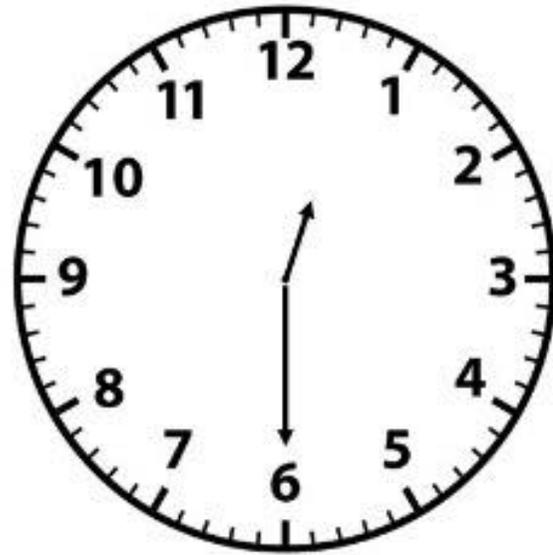


C



D

None of these



What time does this clock face show?



6 minutes  
past 12



12 minutes past 6



Half past 12



12 o'clock

1 hour  60 minutes

Which symbol should go in the box?



>



<



=



Any of the above

$$35 \div \square = 5$$



5



40



7



30

144

What is the value of the underlined digit?



Four Ones



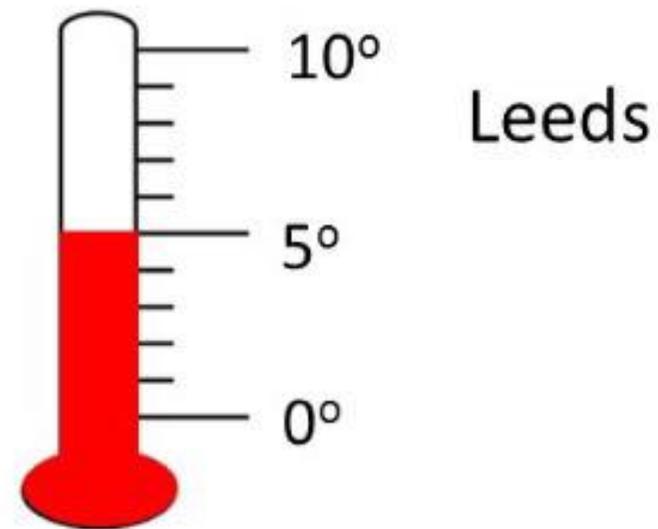
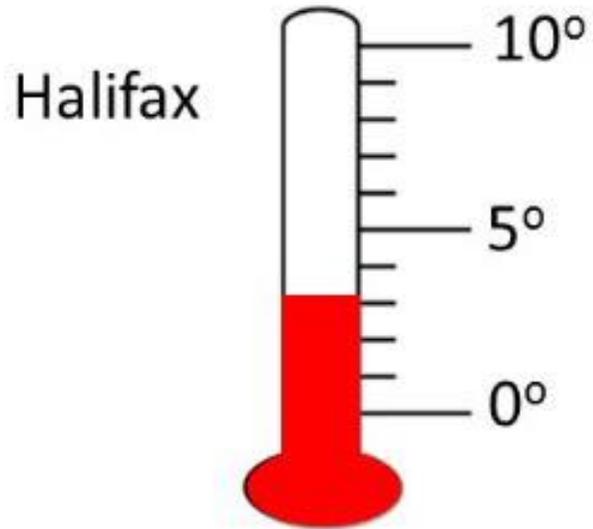
One Hundred



Four Hundreds



Four Tens



How much warmer is it in Leeds than Halifax?



2°



3°



5°



8°

$$40 - \square = 35$$



15



10



5



75

$$12 + 32 = 44$$

$$12 + 32 + \square = 45$$

What is the missing number?



0



1

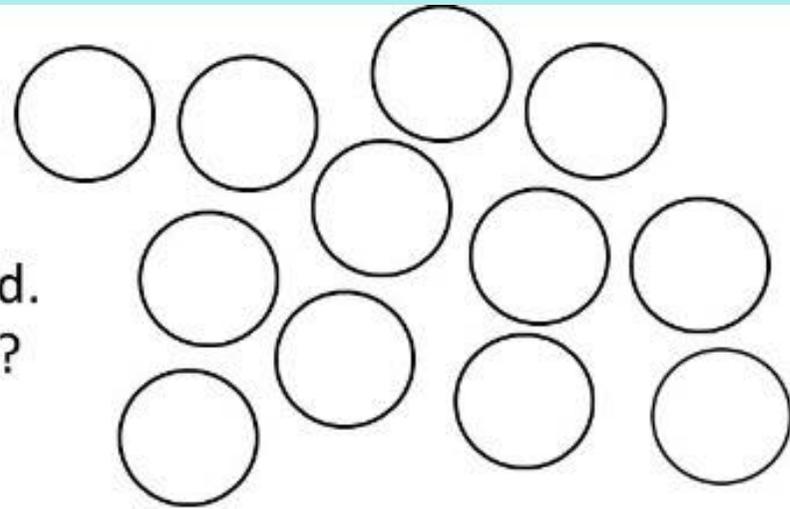


10



*Impossible*

A box contains 12 counters.  
One quarter of the counters are red.  
How many red counters are there?



3



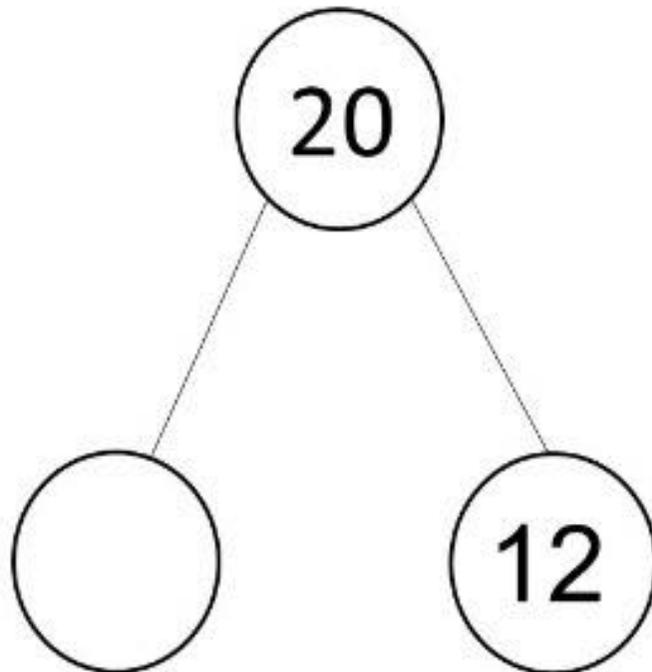
4



6

 $\frac{1}{4}$

Work out the missing number.



A

32

B

12

C

18

D

8



Which calculation does **not** represent the image?

A  $8 \times 2$

B  $8 + 8$

C  $8 + 2$

D  $2 \times 8$

144

What is the value of the underlined digit?



Four Ones



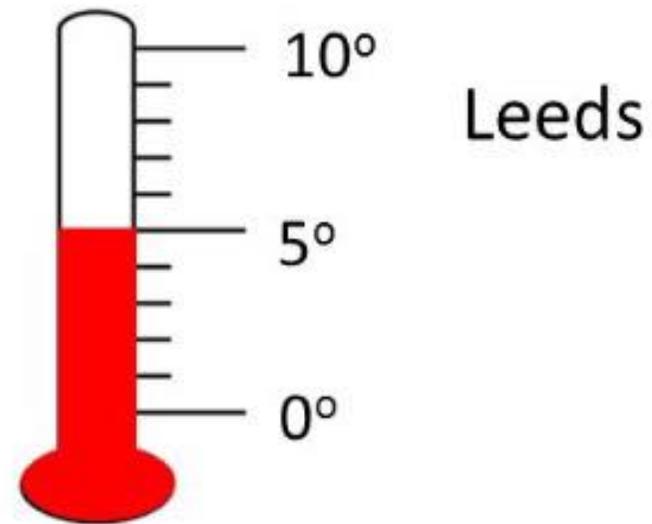
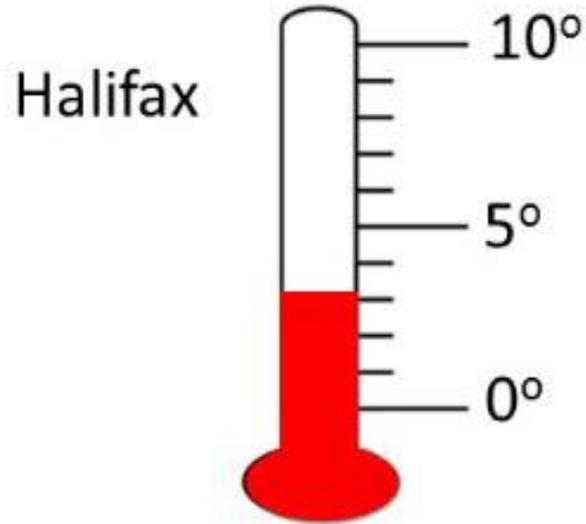
One Hundred



Four Hundreds



Four Tens



How much warmer is it in Leeds than Halifax?



2°



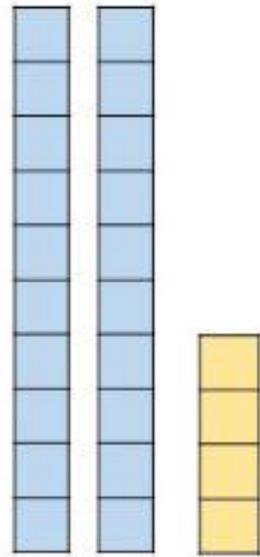
3°



5°



8°



What does this image represent?



2 Tens and  
3 Ones



4 Tens and  
2 Ones



2 Tens and  
4 Ones



3 Tens

What is the name of a three sided shape?



Rectangle



Square



Triangle

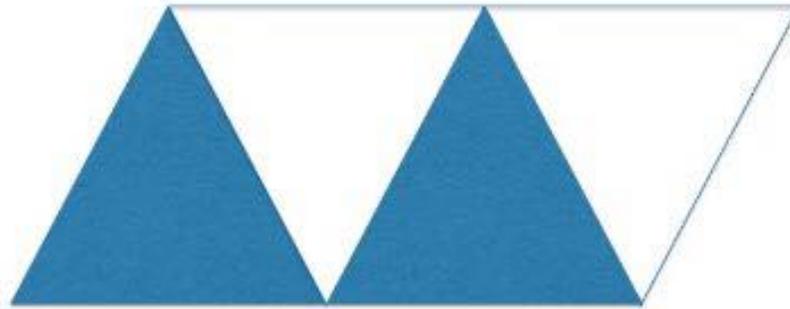


Pentagon

Jack bought some milk costing 35p  
He was given change of 15p

What coin did he pay with?





What fraction of the shape is blue?



$$\frac{1}{2}$$



$$\frac{2}{2}$$



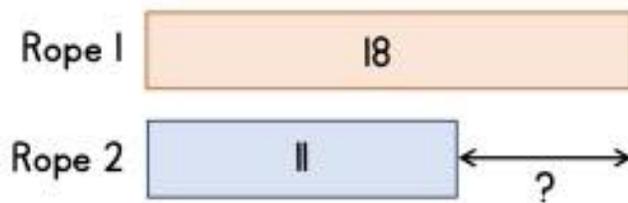
$$\frac{1}{4}$$



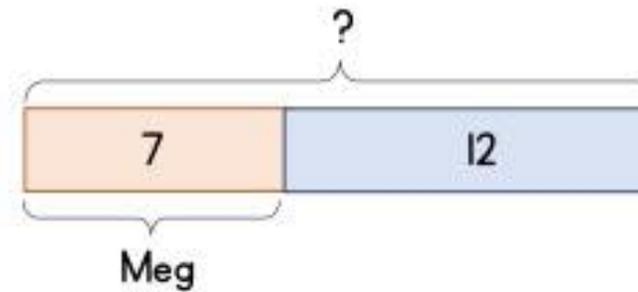
None of these.

# Bar models

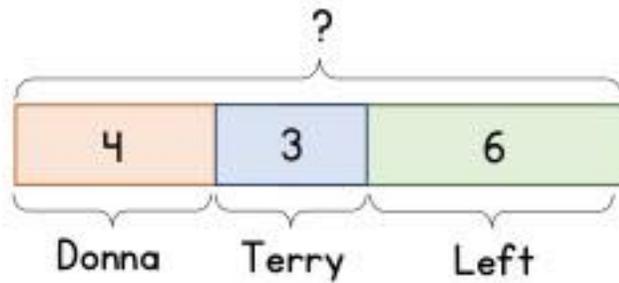
A piece of rope is 18 metres long.  
Another piece of rope is 11 metres long.  
How much longer is the first piece of rope?



Harry is thinking of a number.  
His number is 12 more than Meg's number.  
Meg's number is 7  
What number is Harry thinking of?



Terry makes some Yorkshire puddings.  
Donna eats 4, Terry eats 3 and there are 6 left.  
How many Yorkshire puddings did Terry make?



Kate has 18 eggs.

She sells 13 eggs on Monday.

She sells the rest of the eggs on Tuesday.

How many eggs does she sell on Tuesday?

