

KS1 Math's flip learning for the week beginning: 3rd May 2021

In KS1 we will be revisiting multiplication and division this week to help us develop our calculation skills further. **Write answers to these addition problems in your red homework books.**

Year 1 - How can adding help me multiply?

<https://www.bbc.co.uk/bitesize/topics/znj7hyc/articles/znbwhbk>

Add Equal Groups

1. Match the images to the correct number sentences.

A.  $2 + 2 + 2 + 2 = 8$

B.  $2 + 2 + 2 = 6$

C.  $2 + 2 = 4$

☆

2. How many spots are there?
Complete the sentence and complete the number line.



There are _____ spots. There are 5 groups of 2 spots.



☆

3. Which is the odd one out?

A.  B. 

C. $2 + 2 = 4$ D. 

Explain your answer.

☆

Add Equal Groups

4. Match the images to the correct number sentences and then complete them.

A.  $5 + 5 + 5 + 5 + 5 = \square$

B.  $2 + 2 + 2 + 2 + 2 = \square$

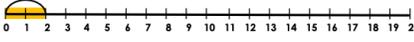
C.  $10 + 10 = \square$

☆

5. How many biscuits are there?
Complete the sentences and complete the number line.



There are _____ biscuits. There are _____ groups of 2 biscuits.



☆

6. Which is the odd one out?

A.  B. 

C.  D. $2 + 2 + 2 = 6$

Explain your answer.

☆

Add Equal Groups

7. Match the sentences to the correct totals and then complete the number sentences.

A. 4 packets of 5 biscuits  $\square + \square + \square + \square + \square = 10$

B. 5 pairs of flip flops  $\square + \square + \square = 30$

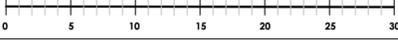
C. 3 bundles of 10 straws  $\square + \square + \square = 20$

☆

8. There are six aliens. Each alien has five eyes.
Complete the sentences using numerals and complete the number line.



There are _____ eyes. There are _____ groups of _____ eyes.



☆

9. Which is the odd one out?

A.  B. $10 + 10 + 10 + 10 + 10 = 50$

C. There are five packets of ten seeds.  D. 

Explain your answer.

☆

Answer sheet to check your work.

Add Equal Groups

Developing

1. **A. $2 + 2 + 2 = 6$; B. $2 + 2 + 2 + 2 = 8$; C. $2 + 2 = 4$**
2. **There are 10 spots. 5 groups of 2 identified on the number line.**
3. **C because the others represent 4 groups of 2.**

Expected

4. **A. $2 + 2 + 2 + 2 + 2 = 10$; B. $10 + 10 = 20$; C. $5 + 5 + 5 + 5 + 5 = 25$**
5. **There are 12 biscuits. There are 6 groups of 2 biscuits. 6 groups of 2 identified on the number line.**
6. **D because the others represent 3 groups of 5.**

Greater Depth

7. **A. $5 + 5 + 5 + 5 = 20$; B. $2 + 2 + 2 + 2 + 2 = 10$; C. $10 + 10 + 10 = 30$**
8. **There are 30 eyes. There are 6 groups of 5 eyes. 6 groups of 5 identified on the number line.**
9. **D because the others represent 5 groups of 10. D represents 4 groups of 10 and 2 groups of 5.**

Year 2

- Which order should I multiply numbers in?

<https://www.bbc.co.uk/bitesize/topics/znj7hyc/articles/zht3d6f>

Multiplication from Pictures

1. Circle the multiplication shown by the image below.

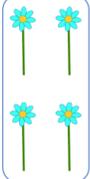
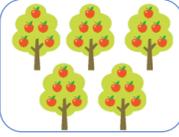


A. $4 \text{ lots of } 3 = 12$
 $4 \times 3 = 12$

B. $3 \text{ lots of } 3 = 9$
 $3 \times 3 = 9$

C. $3 \text{ lots of } 4 = 12$
 $3 \times 4 = 12$

2. Tick the multiplication number sentence that has not been shown as a picture.

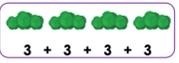



A. $5 \text{ lots of } 5$
 5×5

B. $3 \text{ lots of } 4$
 3×4

C. $4 \text{ lots of } 8$
 4×8

3. TJ and Lucy each have a group of vegetables. They compare their groups.

TJ: My group has the most vegetables because I have 3 lots of 5.

Lucy: My group has the most vegetables because I have 4 lots of 3.

Who do you agree with? Explain why using multiplication.

Multiplication from Pictures

4. Circle the multiplication shown by the image below.



A. $6 \times 7 = 42$

B. $8 \times 6 = 48$

C. $7 \times 7 = 49$

D. $7 \times 6 = 42$

5. Tick the multiplication number sentence that has not been shown as a picture.





A. 3×4

B. 4×4

C. 3×6

D. 3×7

6. Matt and Jasmin each have a group of coins. They compare their groups.




My group has the most money because I have 7 lots of 1p coins.

My group has the most money because my coins are 2p each.

Who do you agree with? Explain why using multiplication.

Multiplication from Pictures

7. Circle the multiplication shown by the image below.



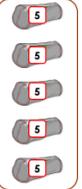
A. $9 \times 10 = 90$ eggs

B. $10 \times 8 = 80$ eggs

C. $8 \times 10 = 80$ eggs

D. $10 \times 9 = 90$ eggs

8. Circle the multiplication number sentence that has not been shown as a picture.





A. $12 \times 2 = 24$

B. $10 \times 2 = 20$

C. $5 \times 5 = 25$

D. $9 \times 2 = 18$

9. Benji and Siobhan are comparing the total value of the money in the purses below.




My group has the least amount of money because there are only 7 purses in total.

My group has the least amount of money because each purse only has 5p inside.

Who do you agree with? Explain why using multiplication.

Answers to help you check your work

Homework/Extension Multiplication from Pictures

Developing

- A
- B
- TJ is correct because $5 \times 3 = 15$ and $4 \times 3 = 12$ which means TJ has more vegetables than Lucy.

Expected

- D
- C
- Jasmine is correct because $5 \times 2p = 10p$ and $7 \times 1p = 7p$ which means Jasmine has more money than Matt.

Greater Depth

- C
- B
- Siobhan is correct because $7 \times 10p = 70p$ and $10 \times 5p = 50p$ therefore the value of money in Benji's group is more than her group.