

Year 6

Tuesday 19th May 2020

Maths

LO: multiplying decimals by integers.

Please note: this link only works on either pdf or the link above this powerpoint.
The video lesson is available here – Summer Term - Week 5 - lesson 2



Brain Melter!

Hungry Horace was looking through the family photograph album, which has a photo of each of his parent, each of his grandparents, all the way up to each of his great-great-great-grandparents.

How many photos is that?



1:

Multiply decimals by integers



Jack gets £ 2 pocket money a day.



Teddy gets £ 2.50 pocket money a day.

They each save their money for a week.

How much more money will Teddy save than Jack?

Use the coins to help.



2:

Jack saves £1.45 a day.
He saves for 4 weeks.



How much money does he save?

3:

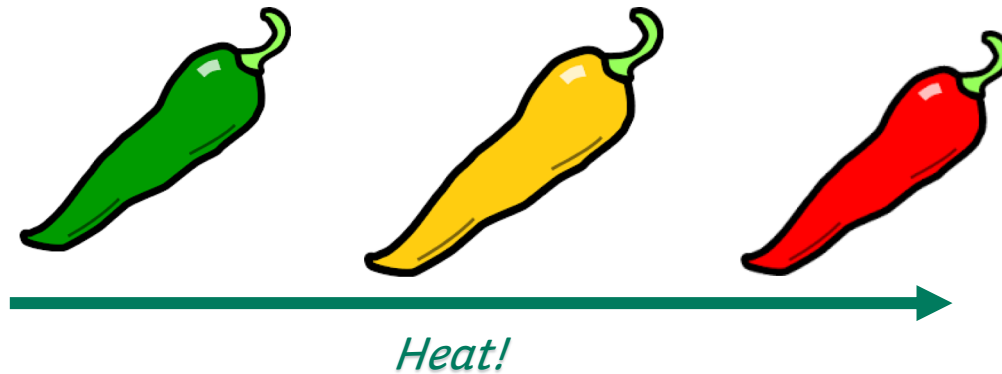


Alex runs 3.2 km a day.
She does this for 3 days.
How far does she run in 3 days?



The independent work continues on the next two slides. There are 7 questions and 1 extension.

(Español - siete preguntas y una extensión.)



- 5 0.25 kg of flour is needed to make one cake.
How much flour is needed to make four cakes?



- 6 Work out the multiplications.

a) $7.2 \times 2 =$

b) $= 3.45 \times 3$

$7.2 \times 4 =$

$= 34.5 \times 3$

$14.4 \times 4 =$

$= 345 \times 3$

$7.2 \times 8 =$

- 7 Amir is solving 3.4×4



To solve this, I
did 34×4 , which was 136
Then I multiplied my answer
by 10 to get an answer
of 1,360

Do you agree with Amir? _____

Explain why.

Ext:

Use the digits 1, 2, 3 and 4 once each to create a calculation.

1	2	3	4
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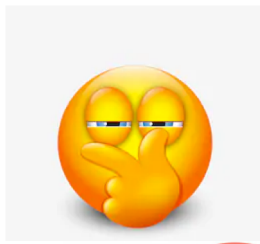
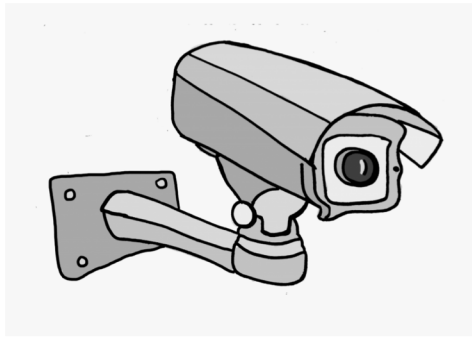
- a) How many different products can you make?

- b) What is the greatest possible product?

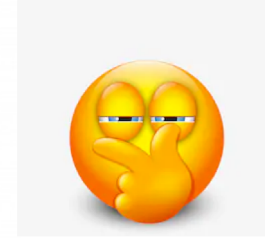
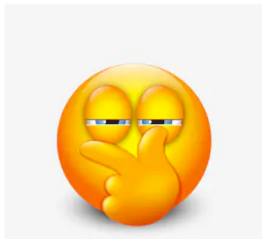
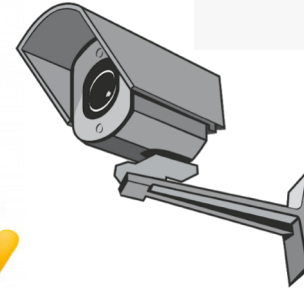
- c) What is the smallest possible product?

- d) What is the product closest to 12?

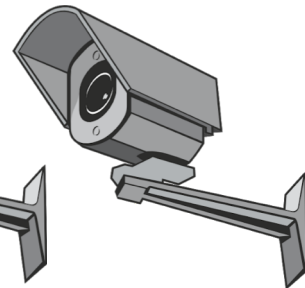
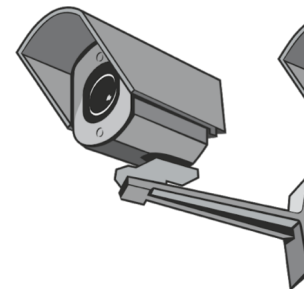
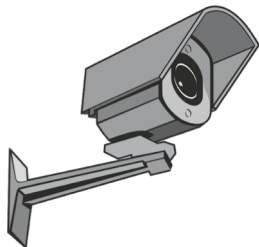
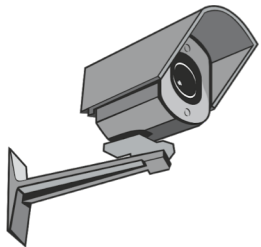
Compare answers with a partner.



STOP



The next two slides contain the answers should you wish to check you work and reflect on what you understand.





- 5 0.25 kg of flour is needed to make one cake.
How much flour is needed to make four cakes?



- 6 Work out the multiplications.

a) $7.2 \times 2 = 14.4$ b) $10.35 = 3.45 \times 3$
 $7.2 \times 4 = 28.8$ $103.5 = 34.5 \times 3$
 $14.4 \times 4 = 57.6$ $1,035 = 345 \times 3$
 $7.2 \times 8 = 57.6$

- 7 Amir is solving 3.4×4



To solve this, I did 34×4 , which was 136. Then I multiplied my answer by 10 to get an answer of 1,360.

Do you agree with Amir? NO

Explain why.

36 is ten times bigger than 3.6 so he should have divided by 10 to get 13.6

Ext:

Use the digits 1, 2, 3 and 4 once each to create a calculation..

1	2	3	4
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- a) How many different products can you make?

Various answers

- b) What is the greatest possible product?

$12 \cdot 84$

- c) What is the smallest possible product?

0.234

- d) What is the product closest to 12?

$12 \cdot 36$

Compare answers with a partner.

