

Year 2 Five Times-Tables

LET'S LEARN

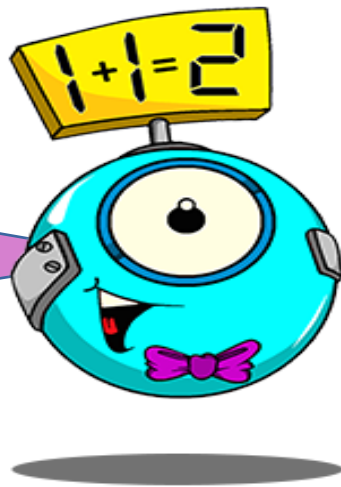
Today we will learn all about the 5 x table.



Daily Fluency and Recall Tasks

Challenge:

Write a number story for 2 multiplication expressions in the 2 x table.



Try to learn your:

2 times table

5 times table

10 times table

3 x table

Why not try Hit the button at <https://www.topmarks.co.uk/maths-game/hit-the-button>

You could practise your number bonds, and doubles as well.

It's really important that you practise your times tables every day as they will help you with lots of the maths you will meet in KS2.

Revision

Can you complete these equations

$$68 + 13 =$$

$$51 - 42 =$$

$$11 \times 2 =$$

$$20 + \underline{\quad} + 30 = 100$$

There are 8 baskets with 2 cats in each one. How many cats are there altogether.?

If you need to, use an array to help you solve the multiplication sentences.







Vocabulary

Multiplication Year 2

Two Times Tables

Repeated addition in groups of 2s.
We should learn our 2 times tables up to 12×2 .





 $1 \times 2 = 2$  $2 \times 2 = 4$  $3 \times 2 = 6$  $4 \times 2 = 8$

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Multiplication Year 2

Five Times Tables

Repeated addition in groups of 5s.
We should learn our 5 times tables up to 12×5 .





 $1 \times 5 = 5$  $2 \times 5 = 10$  $3 \times 5 = 15$  $4 \times 5 = 20$

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Multiplication Year 2

Ten Times Tables

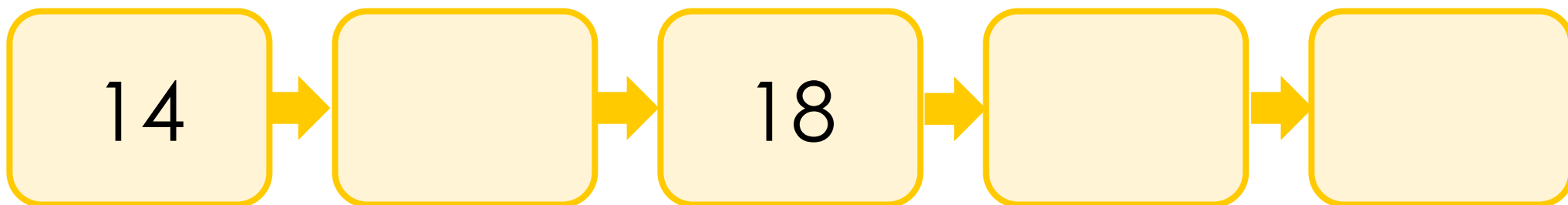
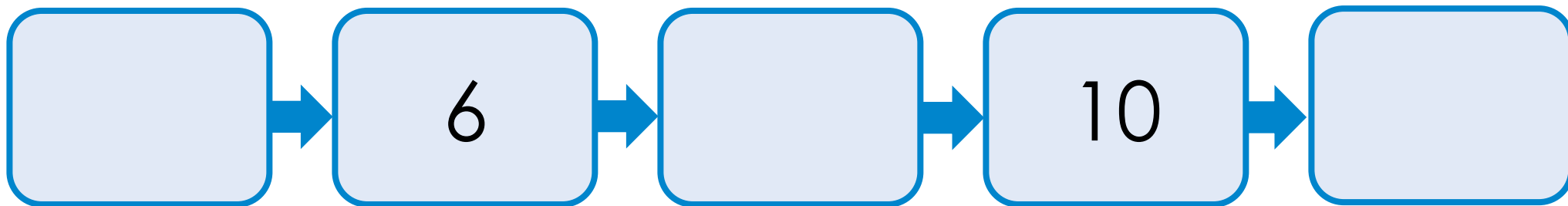
Repeated addition in groups of 10s.
We should learn our 10 times tables up to 12×10 .

 $1 \times 10 = 10$  $2 \times 10 = 20$  $3 \times 10 = 30$  $4 \times 10 = 40$

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Recap

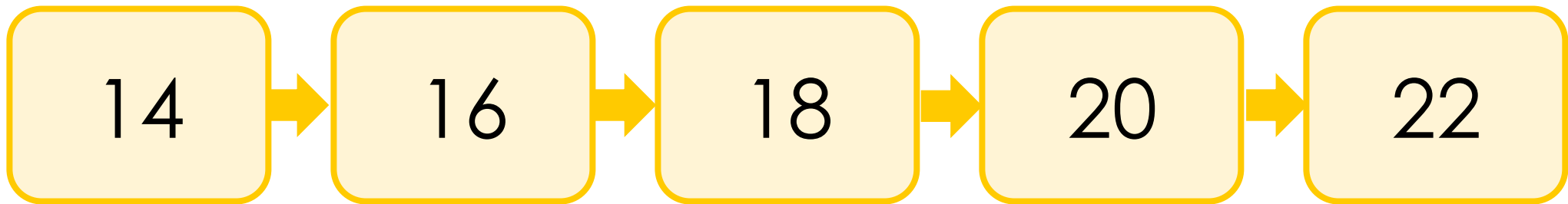
Can you complete these number tracks?



What are we counting in? Talk to your grown up.
Hint: Think back to our work from yesterday!

Recap

Can you complete these number tracks?



We are counting in 2s. When we do this we say every other number.
If we start at 0, all our numbers will be even.

Recap

Recite your 2 x table. If you need to, use your fingers to help you.

$1 \times 2 =$

$7 \times 2 =$

$2 \times 2 =$

$8 \times 2 =$

$3 \times 2 =$

$9 \times 2 =$

$4 \times 2 =$

$10 \times 2 =$

$5 \times 2 =$

$11 \times 2 =$

$6 \times 2 =$

$12 \times 2 =$

Review

Recite your 2 x table. If you need to, use your fingers to help you.

$$1 \times 2 = 2$$

$$2 \times 2 = 4$$

$$3 \times 2 = 6$$

$$4 \times 2 = 8$$

$$5 \times 2 = 10$$

$$6 \times 2 = 12$$

$$7 \times 2 = 14$$

$$8 \times 2 = 16$$

$$9 \times 2 = 18$$

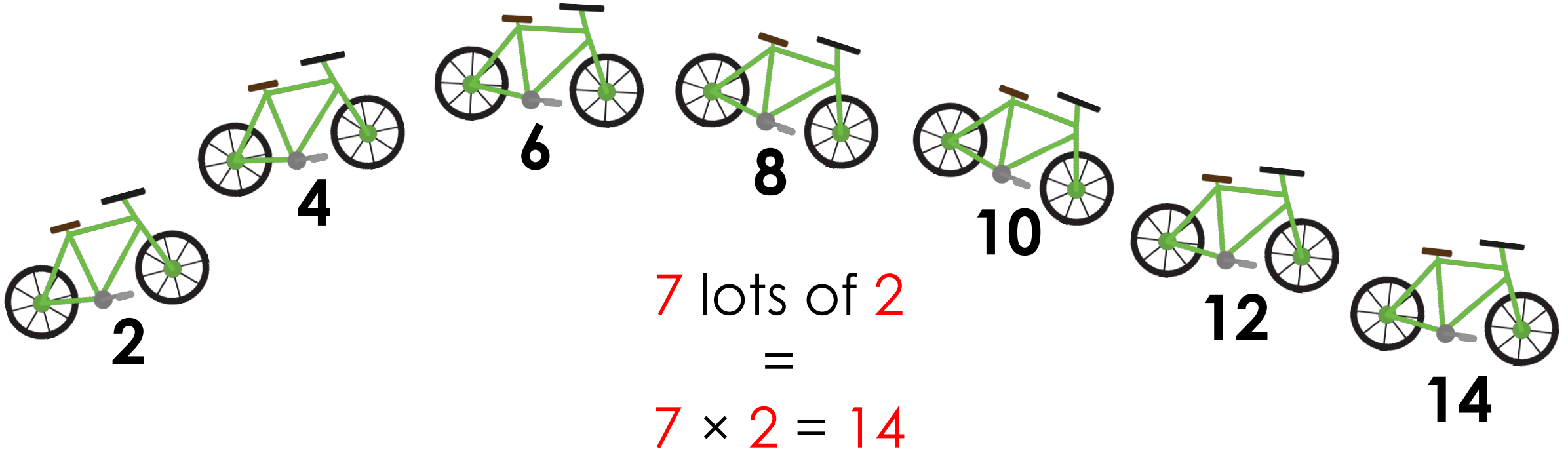
$$10 \times 2 = 20$$

$$11 \times 2 = 22$$

$$12 \times 2 = 24$$

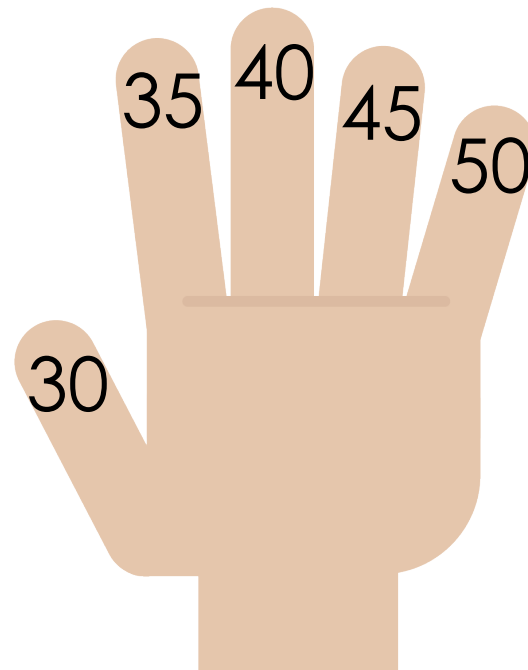
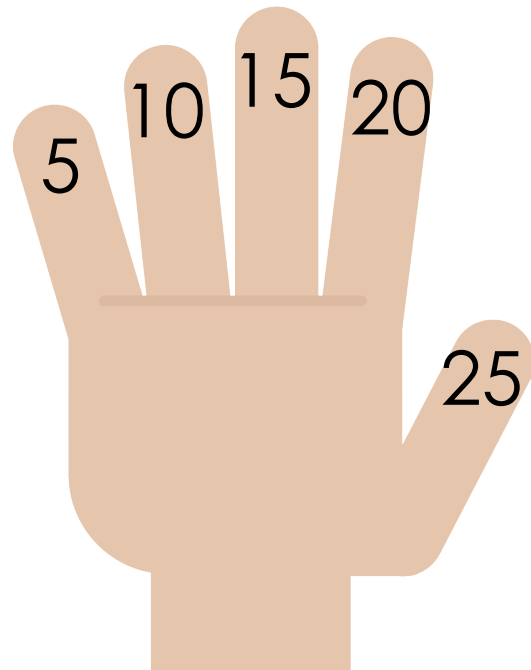
Recap

We can count in 2s to calculate the total wheels.



Explore

We can do the same to learn our 5 times-table.
Let's count in fives using our fingers!



Explore

What patterns can you see when you look at the hundred square and the times table grid ?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$$\begin{aligned}1 \times 5 &= 5 \\2 \times 5 &= 10 \\3 \times 5 &= 15 \\4 \times 5 &= 20 \\5 \times 5 &= 25 \\6 \times 5 &= 30 \\7 \times 5 &= 35 \\8 \times 5 &= 40 \\9 \times 5 &= 45 \\10 \times 5 &= 50\end{aligned}$$

Explore

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

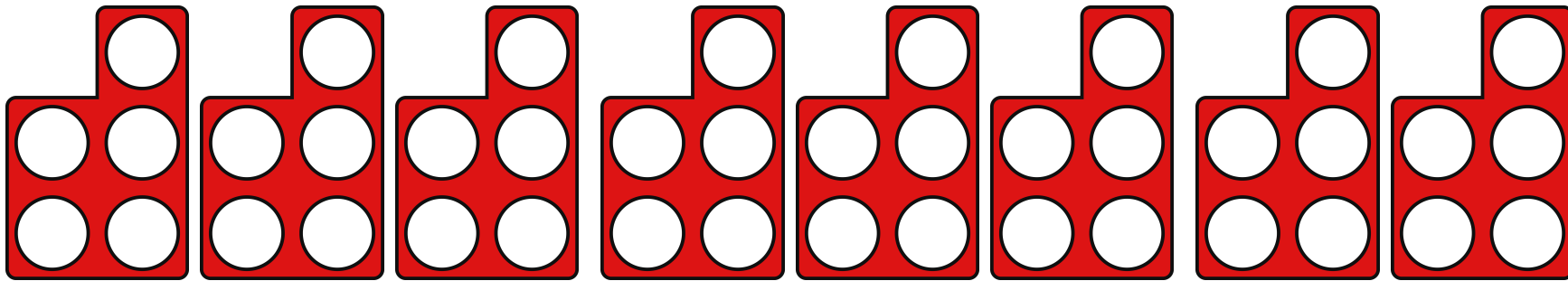
$$\begin{aligned}1 \times 5 &= 5 \\2 \times 5 &= 10 \\3 \times 5 &= 15 \\4 \times 5 &= 20 \\5 \times 5 &= 25 \\6 \times 5 &= 30 \\7 \times 5 &= 35 \\8 \times 5 &= 40 \\9 \times 5 &= 45 \\10 \times 5 &= 50\end{aligned}$$



Did you notice the 5, 0 pattern. Look again. All the numbers in the 5 x table end in 5 or 0.

Guided Practice

What is the total?.



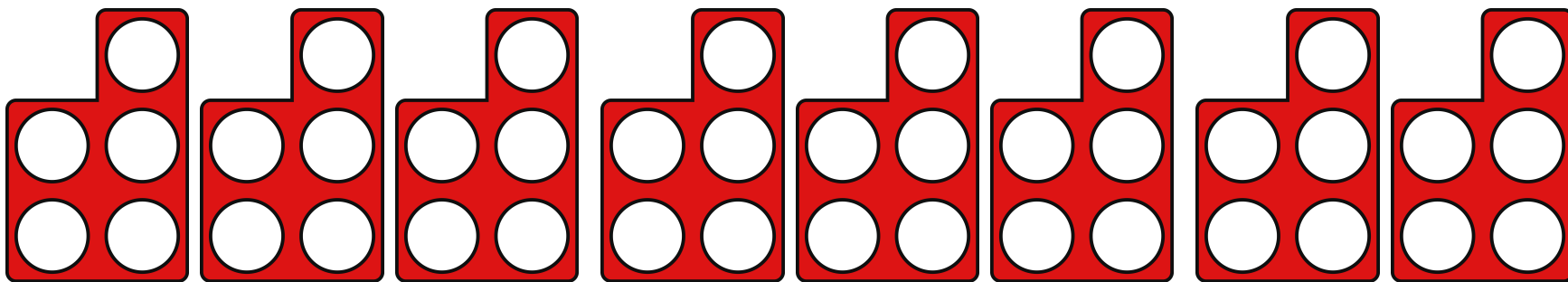
___ lots of ___ equals ___

___ × ___ = ___

5 10 15 20 25 30 35 40 45 50 55 60

Guided Practice

What is the total?.



8 lots of 5 equals 40

$$8 \times 5 = 40$$

5 10 15 20 25 30 35 40 45 50 55 60

Guided Practice

Count in fives to work out how many eyes the aliens have altogether.



_____ lots of _____ equals _____

_____ × _____

Guided Practice

Count in fives to work out how many eyes the aliens have altogether.

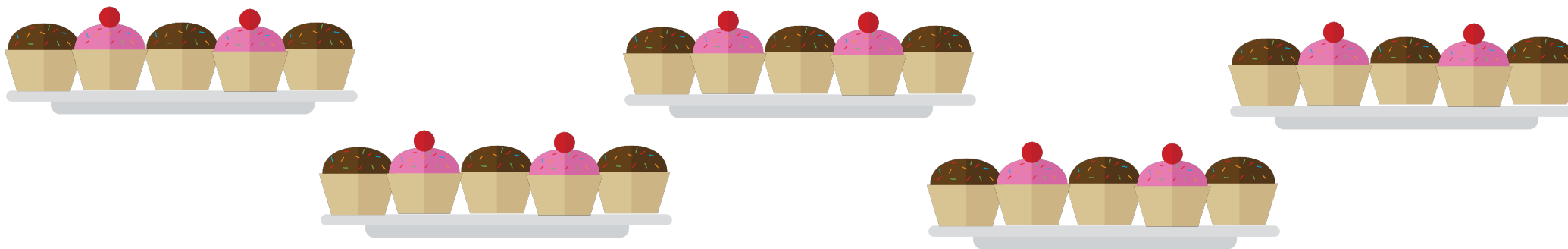


6 lots of 5 equals 30

$$6 \times 5 = 30$$

Guided Practice

Count in fives to work out how many cakes altogether.

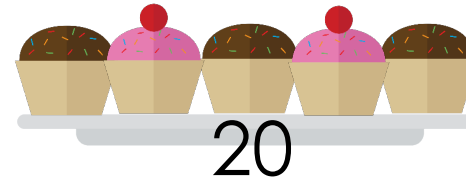
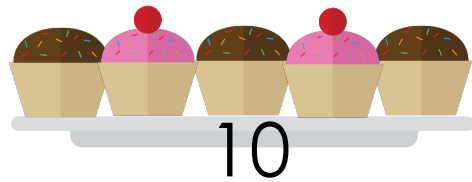
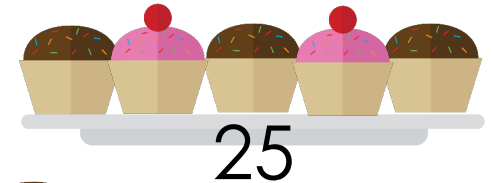
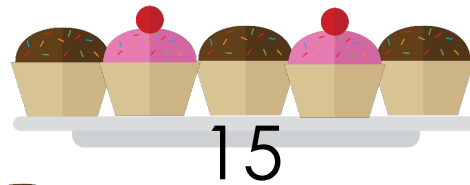
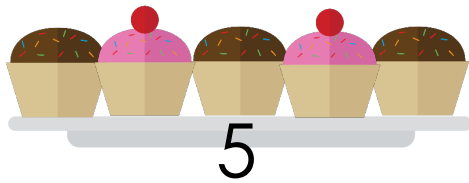


$$\underline{\quad\quad} \text{ lots of } \underline{\quad\quad} \\ =$$

$$\underline{\quad\quad} \times \underline{\quad\quad} = \underline{\quad\quad}$$

Guided Practice

Count in fives to work out how many cakes altogether.



5 lots of 5

=

$$5 \times 5 = 25$$

Independent Task

Count in fives to complete these number tracks.



Remember to look for the 0, 5, 0 pattern

Independent Task

Count in fives to complete these number tracks.



Independent Task

Match the calculation to its total

2×5

6×5

5×3

4×5

5×5

20

10

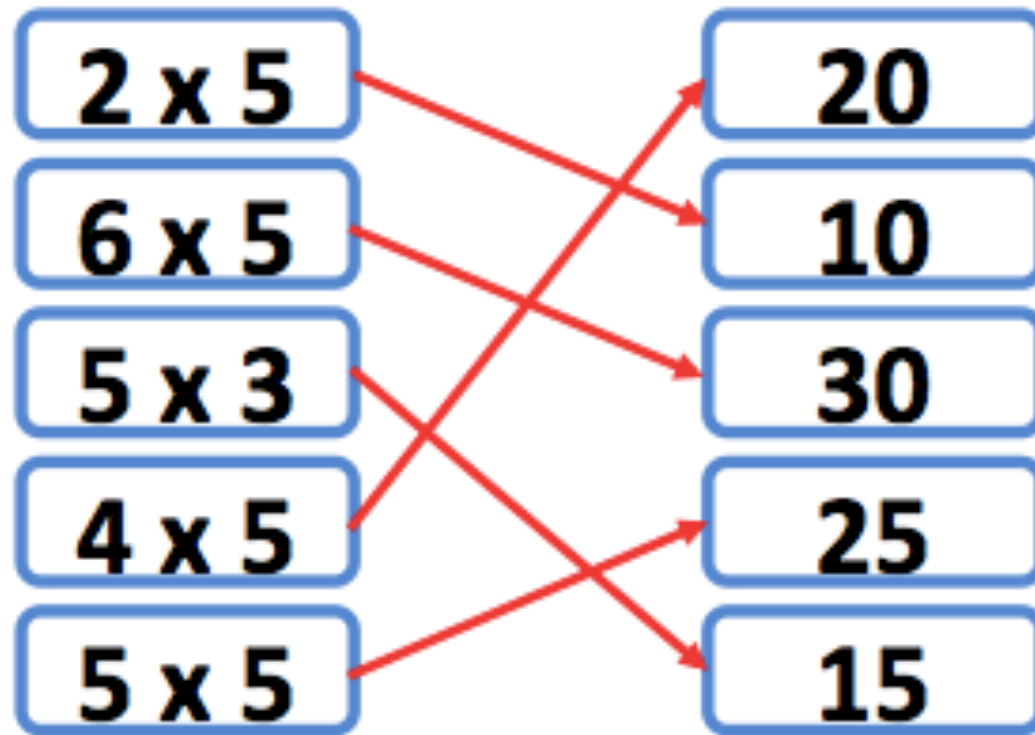
30

25

15

Independent Task

Match the calculation to its total.

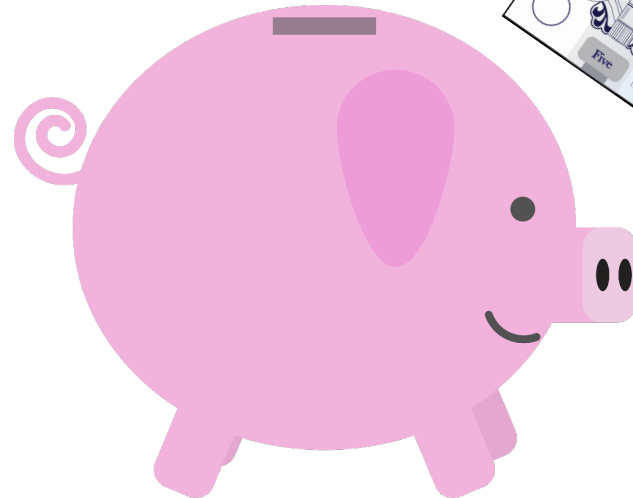


Guided Practice: problem solving

Mrs Riley has £45 in £5 notes in her money box.

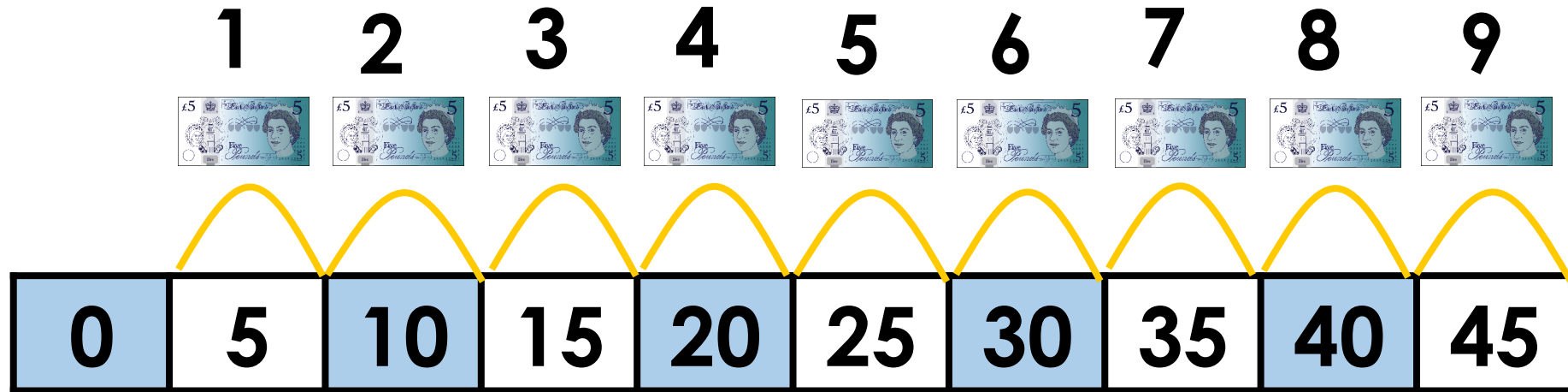


How many
£5 notes do
I have?



Let's develop our learning

Let's count in fives up to £45.



nine £5 notes

$$9 \times \text{£}5 = \text{£}45$$

Guided Practice: Problem Solving

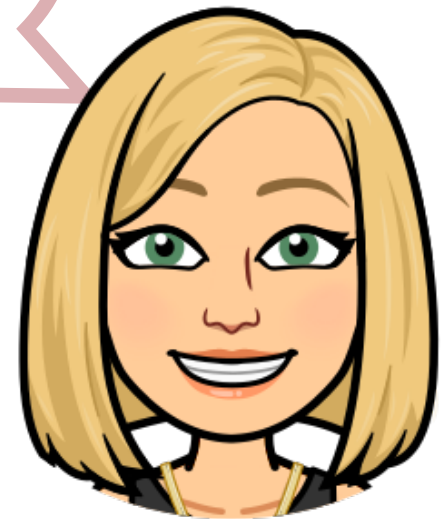
At the campsite, each tent can sleep 5 people

How many people can sleep in 7 tents?



Write a multiplication to show this.

$$\square \times \square = \square$$



Guided Practice: Problem Solving

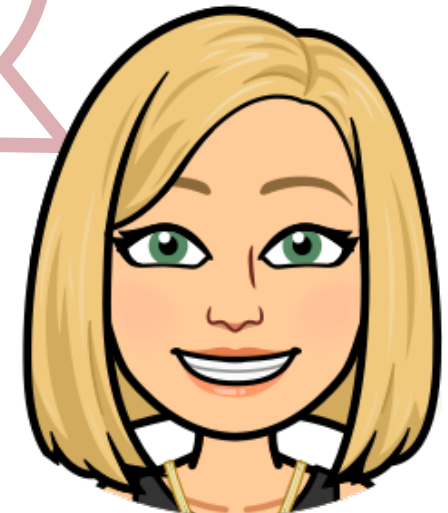
At the campsite, each tent can sleep 5 people

How many people can sleep in 7 tents?



This is the same
as 7 lots of 5.
Let's count in 5s.

$$7 \times 5 = 35$$



Guided Practice: Problem Solving

At the campsite, each tent can sleep 5 people

How many people can sleep in 7 tents?



So 35 people
can sleep in 7
tents.

$$7 \times 5 = 35$$



Independent Tasks

Colour the 5x tables.

20	37	46	5	43	51	6	59	36	14
52	4	13	28	50	19	42	29	49	25
30	21	44	1	60	26	47	12	56	41
53	45	38	57	15	33	54	34	3	24
8	31	40	22	7	55	11	48	16	58
17	35	9	27	32	18	2	23	10	39

Complete:

a $5 \times 5 = \underline{\hspace{2cm}}$

b $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = 35$

c $2 \times 5 = \underline{\hspace{2cm}}$

d $9 \times 5 = \underline{\hspace{2cm}}$

e $3 \times 5 = \underline{\hspace{2cm}}$

f $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = 55$

g $1 \times 5 = \underline{\hspace{2cm}}$

h $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = 20$


i $12 \times 5 = \underline{\hspace{2cm}}$

j $10 \times 5 = \underline{\hspace{2cm}}$

k $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = 40$

l $6 \times 5 = \underline{\hspace{2cm}}$


How many petals are there in total?


a  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

b  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

c  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$


d  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$


e  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

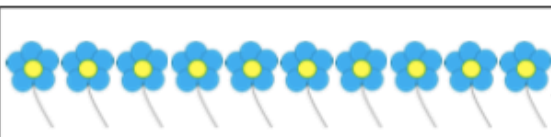
f  $\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$


Independent Tasks


1 Count in 5s to calculate how many in total.

a  _____ x 5 = _____

b  _____ x 5 = _____

c  _____ x 5 = _____

d  _____ x 5 = _____

e  _____ x 5 = _____

2 Answer the following questions.

a) How many hands are there if there are 25 fingers? _____ x 5 = 25

b) How many hands are there if there are 35 fingers? _____ x 5 = 35

c) How many hands are there if there are 15 fingers? _____ x 5 = 15

d) How many hands are there if there are 45 fingers? _____ x 5 = 45



1 Compare the number sentences using $<$, $>$ or $=$.

3×5	<input type="text"/>	5×5
9×5	<input type="text"/>	7×5
6×5	<input type="text"/>	8×5
10×5	<input type="text"/>	5×12
4×5	<input type="text"/>	5×3
2×5	<input type="text"/>	5×2
5×5	<input type="text"/>	5×4
11×5	<input type="text"/>	5×11

2 Dom says,



4 x 5 is less than 2 x 10.

Is Dom correct? Explain your answer.

If you're finding things tricky...

1 Match the multiplication to its answer.

10×5

3×5

4×5

12×5

8×5

5×5

2×5

40

60

15

25

10

20

50

2 Circle the correct comparison to describe the number sentences.

3×5

greater than
less than

5×4

9×5

greater than
less than

5×7

6×5


greater than
less than


5×8

1 Count in 5s to calculate how many in total.

a  _____ x 5 = _____

b  _____ x 5 = _____

c  _____ x 5 = _____

d  _____ x 5 = _____

e  _____ x 5 = _____

2 Answer the following questions.

a) How many hands are there if there are 25 fingers? _____ x 5 = 25



b) How many hands are there if there are 35 fingers? _____ x 5 = 35


c) How many hands are there if there are 15 fingers? _____ x 5 = 15

d) How many hands are there if there are 45 fingers? _____ x 5 = 45

If you fancy a challenge...


1 Count in 5s to calculate how many in total.

a



_____ x 5 = _____

b



_____ x 5 = _____

2 Answer the following questions.

a) How many hands are there if there are 55 fingers? _____ x 5 = 55



b) How many hands are there if there are 45 fingers? _____ x 5 = 45

c) How many hands are there if there are 20 fingers? _____ x 5 = 20

d) How many hands are there if there are 30 fingers? _____ x 5 = 30

3 Compare the number sentences using <, > or =.

9 x 5 7 x 5

6 x 5 8 x 5

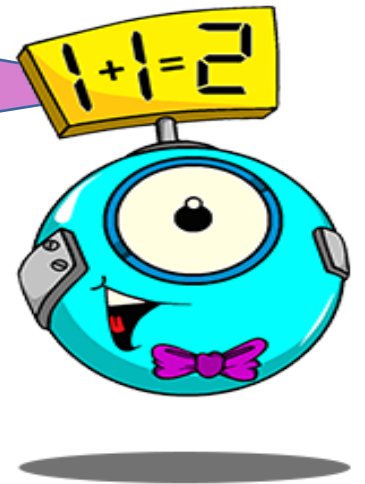
10 x 5 5 x 12

4 x 5 5 x 3

11 x 5 5 x 11

Challenge:

Write a number story for each of the picture tasks



If you fancy a challenge...



Varied Fluency 1

Use the pictures to complete the calculations.



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Reasoning 1 True or false?
Can you prove it?

$$6 \times 5 = 30$$



Problem Solving 1

Joe bought 7 boxes of crayons. If each box has 5 crayons, how many does he have in total?

Amy has £45 in £5 notes. How many £5 notes does she have?

Varied Fluency 2

Draw pictures or arrays to help you solve these calculations.

$$4 \times 5 =$$

$$5 \times 6 =$$

$$8 \times 5 =$$

Reasoning 2

Which is the odd one out?

$$11 \times 5 = 55$$

$$5 \times 3 = 15$$

$$7 \times 5 = 40$$

$$5 \times 5 = 25$$

Problem Solving 2

Roll 1 or 2 dice and multiply the number by 5.



Every number in the 5 times table is odd.

Is Rob correct?
Explain your answer.

Biscuits come in packs of 2 and 5.

Sue has 12 biscuits.

How many of each pack could she have?

Sweets come in packs of 5.

Matt has 18 sweets.

How many full packs are there and how many left over?

Pens come in packs of 5 and 10.

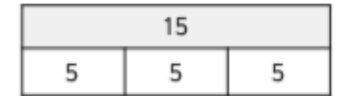
Beth has 25 pens.

How many of each pack could Beth have?

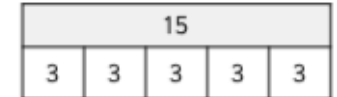
Ben and Jess have both drawn bar models to show 3×5 .



Ben

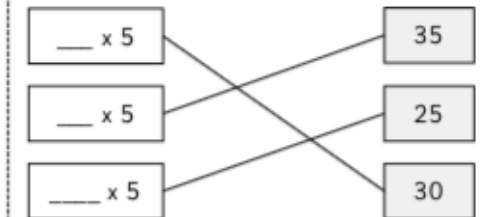


Jess



What is the same and what is different?

Complete:



Draw your own bar models to represent:

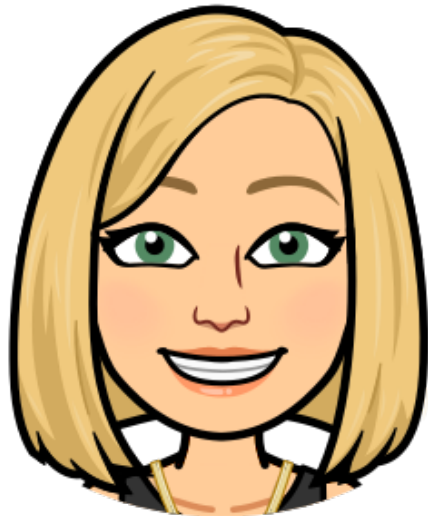
3 lots of 5

5 lots of 5

9 lots of 5

Exit task – Dong Nao Jin

Can you guess what number Mrs Riley is thinking of?



My number is in
the 5 times-table.
It has zero ones
and is less than 40.

Find all the possibilities.



WELL DONE



THE ANSWERS



Revision

Can you complete these equations

$$68 + 13 = 81$$

$$51 - 42 = 9$$

$$11 \times 2 = 22$$

$$20 + 50 + 30 = 100$$

There are 8 baskets with 2 cats in each one. How many cats are there altogether.?

$$8 \times 2 = 16$$

If you need to, use an array to help you solve the multiplication sentence.



Colour the 5x tables in the grid below.

20	37	46	5	43	51	6	59	36	14
52	4	13	28	50	19	42	29	49	25
30	21	44	1	60	26	47	12	56	41
53	45	38	57	15	33	54	34	3	24
8	31	40	22	7	55	11	48	16	58
17	35	9	27	32	18	2	23	10	39

Complete:

a $5 \times 5 = \underline{25}$

b $\underline{7} \times \underline{5} = 35$

c $2 \times 5 = \underline{10}$

d $9 \times 5 = \underline{45}$

e $3 \times 5 = \underline{15}$

f $\underline{11} \times \underline{5} = 55$

g $1 \times 5 = \underline{5}$

h $\underline{4} \times \underline{5} = 20$


i $12 \times 5 = \underline{60}$

j $10 \times 5 = \underline{50}$

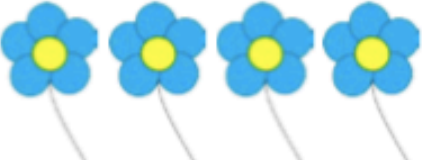
k $\underline{8} \times \underline{5} = 40$


l $6 \times 5 = \underline{30}$


How many petals are there in total?

a  $6 \times 5 = 30$

b  $2 \times 5 = 10$

c  $4 \times 5 = 20$

d  $3 \times 5 = 15$


e  $5 \times 5 = 25$


f  $1 \times 5 = 5$


1 Count in 5s to calculate how many in total.

a  $\underline{7} \times 5 = \underline{35}$

b  $\underline{5} \times 5 = \underline{25}$

c  $\underline{10} \times 5 = \underline{50}$

d  $\underline{8} \times 5 = \underline{40}$

e  $\underline{6} \times 5 = \underline{30}$

2 Answer the following questions.

a) How many hands are there if there are 25 fingers? $\underline{5} \times 5 = 25$



b) How many hands are there if there are 35 fingers? $\underline{7} \times 5 = 35$

c) How many hands are there if there are 15 fingers? $\underline{3} \times 5 = 15$

d) How many hands are there if there are 45 fingers? $\underline{9} \times 5 = 45$

1 Compare the number sentences using $<$, $>$ or $=$.

3×5 $<$ 5×5

9×5 $>$ 7×5

6×5 $<$ 8×5

10×5 $<$ 5×12

4×5 $>$ 5×3

2×5 $=$ 5×2

5×5 $>$ 5×4

11×5 $=$ 5×11

2 Dom says,




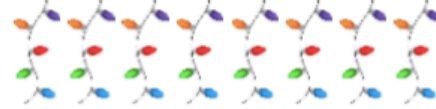
4×5 is less than 2×10 .

Is Dom correct? Explain your answer.

Dom is not correct as $4 \times 5 = 20$ and $2 \times 10 = 20$ so they are equal.

Count in 5s to calculate how many in total.

 $\underline{7} \times 5 = \underline{35}$

 $\underline{8} \times 5 = \underline{40}$

Answer the following questions.

i) How many hands are there if there are 55 fingers? $\underline{11} \times 5 = 55$



ii) How many hands are there if there are 45 fingers? $\underline{9} \times 5 = 45$

iii) How many hands are there if there are 20 fingers? $\underline{4} \times 5 = 20$

iv) How many hands are there if there are 30 fingers? $\underline{6} \times 5 = 30$

Compare the number sentences using $<$, $>$ or $=$.

9×5 $>$ 7×5

6×5 $<$ 8×5

10×5 $<$ 5×12


4×5 $>$ 5×3


11×5 $=$ 5×11





1 Count in 5s to calculate how many in total.


a  $\underline{4} \times 5 = \underline{20}$

b  $\underline{3} \times 5 = \underline{15}$

c  $\underline{10} \times 5 = \underline{50}$

d  $\underline{8} \times 5 = \underline{40}$

e  $\underline{6} \times 5 = \underline{30}$

f  $\underline{7} \times 5 = \underline{35}$

g  $\underline{5} \times 5 = \underline{25}$

1 Match the multiplication to its answer.

10×5	40
3×5	60
4×5	15
12×5	25
8×5	10
5×5	20
2×5	50

2 Circle the correct comparison to describe the number sentences.

3×5	<input checked="" type="radio"/> greater than <input checked="" type="radio"/> less than	5×4
9×5	<input checked="" type="radio"/> greater than <input type="radio"/> less than	5×7
6×5	<input type="radio"/> greater than <input checked="" type="radio"/> less than	5×8

Varied Fluency 1

Use the pictures to complete the calculations.



$$\underline{3} \times \underline{5} = \underline{15}$$



$$\underline{5} \times \underline{5} = \underline{25}$$

Reasoning 1 True or false?
Can you prove it?

$$6 \times 5 = 30$$



True



Problem Solving 1

Joe bought 7 boxes of crayons. If each box has 5 crayons, how many does he have in total?

$$7 \times 5 = 35$$

Amy has £45 in £5 notes. How many £5 notes does she have?

9 x 5 = 45
She has 9 notes.



Every number in the 5 times table is odd.

Is Rob correct?
Explain your answer.

Rob is incorrect because some of the multiples in the five times table are even, e.g. 10, 20, 30.

Biscuits come in packs of 2 and 5.

Sue has 12 biscuits.

How many of each pack could she have?

2 packs of 5 biscuits and 1 pack of 2 biscuits or 6 packs of 2 biscuits.

Sweets come in packs of 5.

Matt has 18 sweets.

How many full packs are there and how many left over?

Matt could have 3 full packs of sweets and there would be 3 sweets left over.

Pens come in packs of 5 and 10.

Beth has 25 pens.

How many of each pack could Beth have?

2 packs of 10 pens and 1 pack of 5 pens or 1 pack of 10 and 3 packs of 5 pens or 5 packs of 5 pens.

Varied Fluency 2

Draw pictures or arrays to help you solve these calculations.

$$4 \times 5 = 20$$

$$5 \times 6 = 30$$

$$8 \times 5 = 40$$

Reasoning 2 Which is the odd one out?

$$11 \times 5 = 55$$

$$5 \times 3 = 15$$

$$7 \times 5 = 40 \quad 35$$

$$5 \times 5 = 25$$

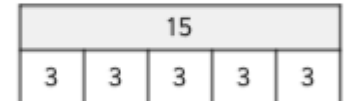
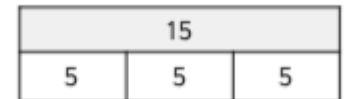
Problem Solving 2

Roll 1 or 2 dice and multiply the number by 5.



Various answers.

Ben and Jess have both drawn bar models to show 3×5 .

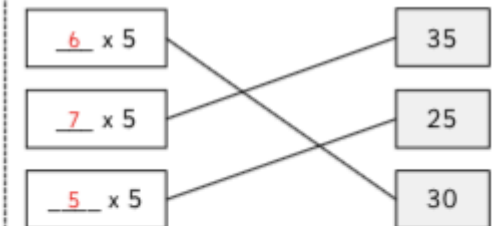


What is the same and what is different?

Same: A total of 15.

Different:
Ben = 3 lots of 5
Jess = 5 lots of 3.

Complete:



Draw your own bar models to represent:

3 lots of 5

5 lots of 5

9 lots of 5

Any correctly drawn bar model.