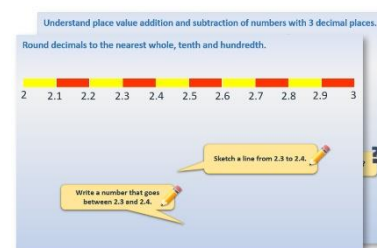


Week 13, Day 3

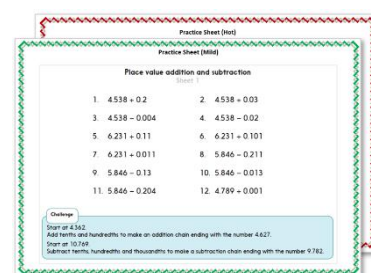
Multiplication word problems

Each day covers one maths topic. It should take you about 1 hour or just a little more.

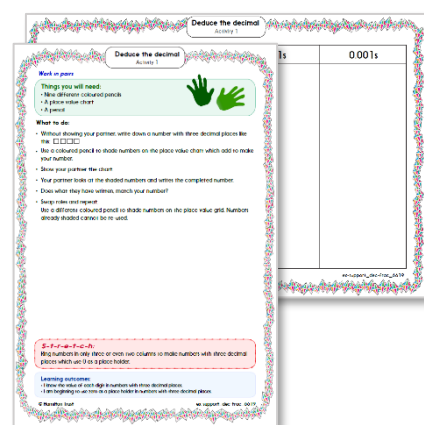
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!

Identify the value of the '4' in the following numbers:

(a) 3.407
 (b) 4.821
 (c) 0.043
 (d) 5.104
 (e) 48,739

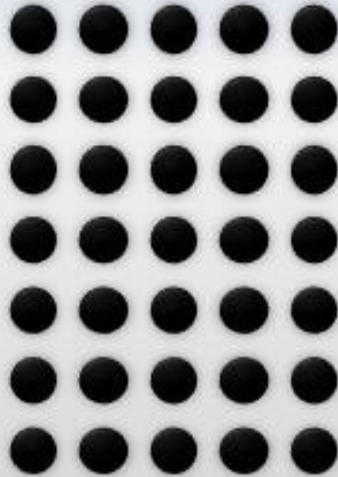
How many times must Dan multiply 0.048 by 10 to get 48,000?

What number is one hundred times smaller than 0.4?

Learning Reminders

Solve word problems using multiplication.

I have bought 7 packets of football stickers. Each packet has 5 stickers.



How could you work out how many stickers there are altogether?

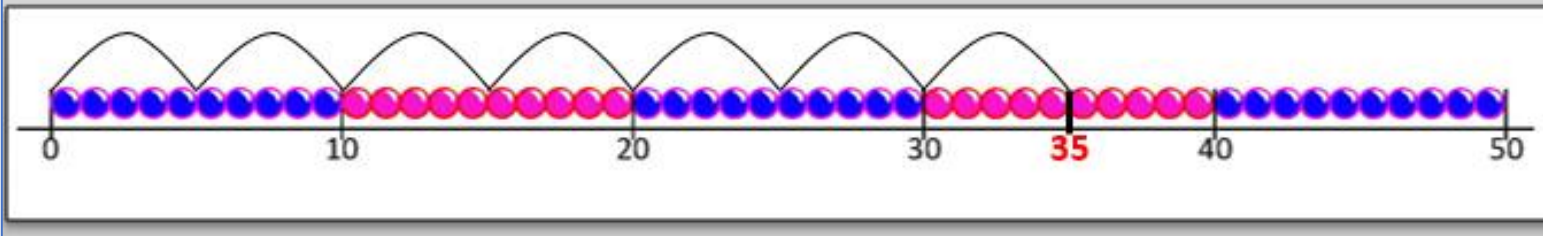


You can draw an array to show 7 lots of 5...

Or count 7 jumps of 5 on a beaded line...

Both ways help us to count in 5s.

35 stickers.



Learning Reminders

Solve word problems using multiplication.

You have bought 7 packets of hair bobbles. Each packet contains 3 bobbles.



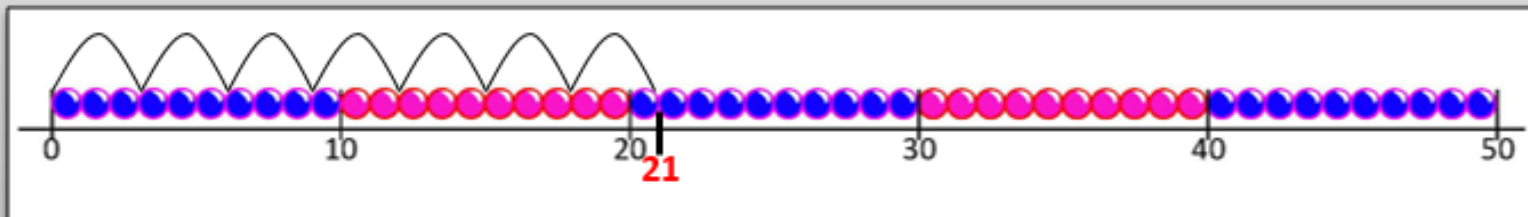
How could you work out how many bobbles there are altogether?



You can draw an array to show 7 lots of 3...

Or count 7 jumps of 3 on a number line...

21 hair bobbles.



Practice Sheet Mild

Multiplication word problems

1. William buys 6 tins of tennis balls, there are 5 balls in each tin. How many balls does he have altogether?
2. Mrs Barnes buys 3 packets of biscuits, each with 10 biscuits in. How many biscuits does she have?
3. Amy buys 4 packets of stickers. Each packet has 4 stickers in. How many stickers does Amy have altogether?
4. Mr Creswell buys 7 packs of pencils. Each pack has 3 pencils in. How many pencils does he have altogether?
5. Each shelf in the book corner has 10 books on display. There are 5 shelves. How many books altogether?
6. Scarlett's aunt gives her 4 packets of hair clips, each packet contains 6 clips. How many clips does Scarlett have in total?

Challenge

Now make up two more problems involving multiplication, with 24 as the answer.

Practice Sheet Hot

Multiplication word problems

1. Scarlett's aunt gives her 4 packets of hair clips, each packet contains 6 clips. How many clips does Scarlett have in total?
2. Georgia buys 5 packets of football cards, each packet has 6 cards in. She gives half to Jude. How many is Georgia left with?
3. Katie's grandpa gives her 3 packets of hair bobbles, each packet contains 8 bobbles. She gives half to Mia, how many is Katie left with?
4. Josh buys 3 packets of stickers, each with 10 stickers in. His dad gives him the same number again. How many stickers does he have?
5. Mrs Cole bakes 4 trays of cookies. Each tray holds 8 cookies. She decides this isn't enough and makes another 4 trays. How many cookies has she made altogether?
6. Scarlett has 10 hair clips. Her aunt gives her 4 packets of clips, each packet contains 6 clips. How many clips does Scarlett have in total?

Challenge

Now make up two more problems involving multiplication, with 40 as the answer.

Practice Sheets Answers

Multiplication word problems (mild)

1. $6 \times 5 = 30$ William has 30 tennis balls altogether.
2. $3 \times 10 = 30$ Mrs Barnes has 30 biscuits.
3. $4 \times 4 = 16$ Amy has 16 stickers altogether.
4. $7 \times 3 = 21$ Mr Cresswell has 21 pencils altogether.
5. $10 \times 5 = 50$ There are 50 books altogether on the shelves.
6. $4 \times 6 = 24$ Scarlett has 24 hair clips.

Multiplication word problems (hot)

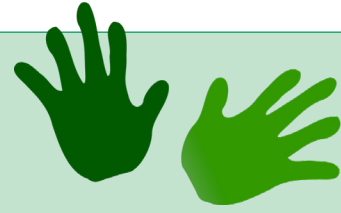
1. $4 \times 6 = 24$ Scarlett has 24 hair clips.
2. $5 \times 6 = 30$ $30 \div 2 = 15$ Georgia is left with 15 football cards.
3. $3 \times 8 = 24$ $24 \div 2 = 12$ Katie has 12 hair bobbles left.
4. $3 \times 10 = 30$ $30 \times 2 = 60$ Josh has 60 stickers.
5. $8 \times 4 = 32$ $8 \times 4 = 32$ Double $32 = 64$ Mrs Cole has made 64 cakes.
6. $4 \times 6 = 24$ $24 + 10 = 34$ Scarlett has 34 hair clips.

A Bit Stuck? Good dog!

Work in pairs

Things you will need:

- 6 puppies
- 20 dog biscuits
- A pencil



On Monday, all the puppies were good. Put them in a line.

Give each puppy 2 biscuits. Count in 2s along the line.

6 puppies have 2 biscuits each. biscuits altogether.

On Tuesday, 2 puppies were really good. Put them in a line.

Give each puppy 5 biscuits. Count in 5s along the line.

2 puppies have 5 biscuits each. biscuits altogether.

On Wednesday, 5 puppies were very good. Put them in a line.

Give each puppy 3 biscuits. Count in 3s along the line.

5 puppies have 3 biscuits each. biscuits altogether.

On Thursday, 4 puppies were really good. Put them in a line.

Give each puppy 5 biscuits. Count in 5s along the line.

4 puppies have 5 biscuits each. biscuits altogether.

On Friday, 3 puppies were really good. Put them in a line.

Give each puppy 5 biscuits. Count in 5s along the line.

3 puppies have 5 biscuits each. biscuits altogether.

On Saturday 5 puppies were fairly good. Put them in a line.

Give each puppy 2 biscuits. Count in 2s along the line.

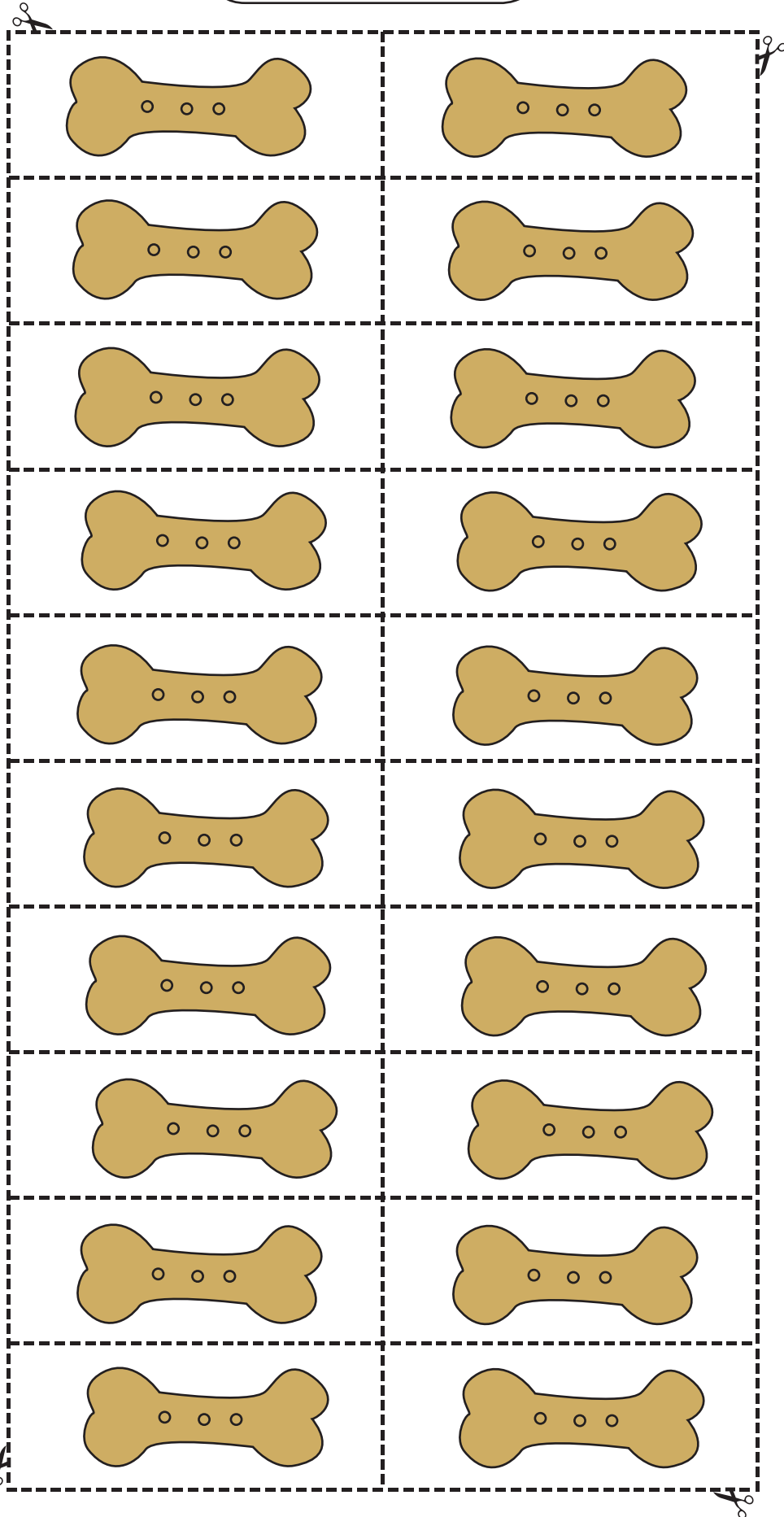
5 puppies have 2 biscuits each. biscuits altogether.

S-t-r-e-t-c-h:

Write a number story for the puppies on Sunday.

Write a multiplication for each day, e.g. Monday: $6 \times 2 = 12$.

A Bit Stuck?
Good dog!



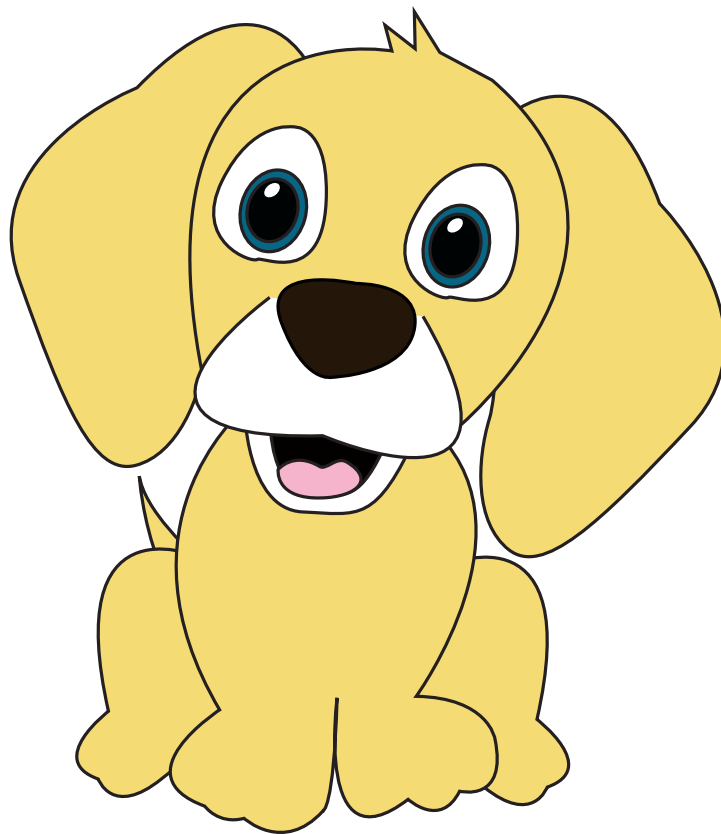
A Bit Stuck?
Good dog!



A Bit Stuck?
Good dog!



A Bit Stuck?
Good dog!



Check your understanding

Questions

Tammy has 5 pages of stickers. There are 8 stickers on each page.

How many stickers does Tammy have?

Maisie has four 5p coins and four 2ps coins in her purse.

How much does she have in total?

Mrs Risby makes 3 trays of cupcakes. Each tray holds 10 cakes. She decides this isn't enough and makes another 2 trays. How many has she made?

Sam buys 3 packets of football stickers, each with 5 stickers in. His granddad gives him the same number again. How many stickers does he have?

Fold here to hide answers

Check your understanding

Answers

Tammy has 5 pages of stickers. There are 8 stickers on each page.

How many stickers does Tammy have?

Tammy has 40 stickers. An answer of 13 suggests children have added rather than multiplied.

Maisie has four 5p coins and four 2ps coins in her purse.

How much does she have in total?

Maisie has 28p in total. An answer of 8 suggests children have counted the total number of coins rather than calculated their combined value.

Mrs Risby makes 3 trays of cupcakes. Each tray holds 10 cakes. She decides this isn't enough and makes another 2 trays. How many has she made? $3 \times 10 = 30$, $2 \times 10 = 20$, so 50 in total.

Sam buys 3 packets of football stickers, each with 5 stickers in. His granddad gives him the same number again. How many stickers does he have? $3 \times 5 = 15$. Double 15 is 30.