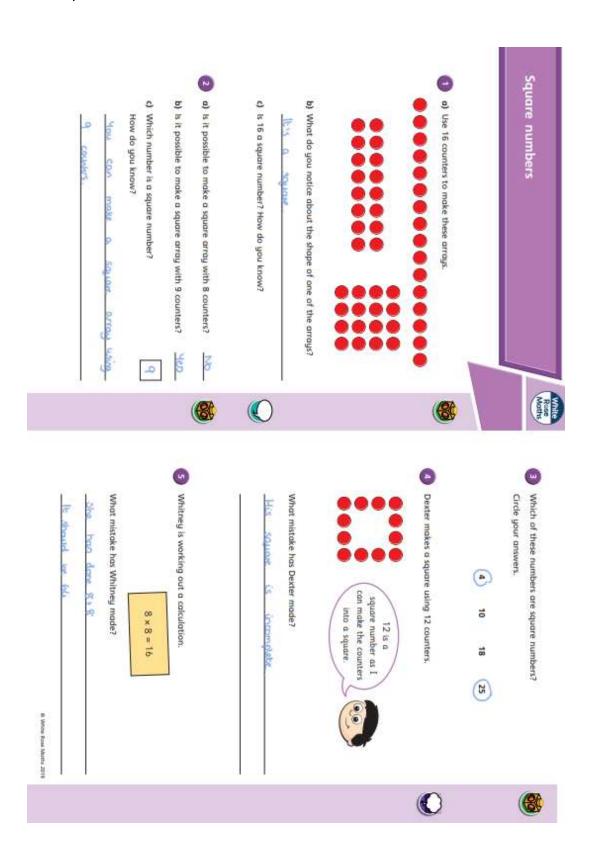
Maths answers

Monday



Monday

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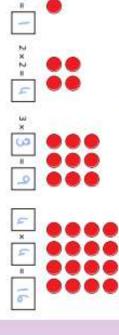
What would the next four numbers in the sequence be?

8



The arrays below show a sequence.

a) Complete the number sentences. Use the arrays to help you.



b) What do these numbers have in common?

Draw the next two numbers in the sequence and write a number sentence for each.

00000

5x5=25

٥



Square number

Foctor of 24

Not a factor of 24

0

64

#

Complete the statements.

a) 67 = 36

d) 02 = 0

b) 122 = 144

00

3 64 =

a) Write the numbers in the table.

Prime number w

b) Write a different number in each part of the table

• Dani is thinking of a square number with 2 digits What could the number be? The digits add together to make another square number

Huan is celebrating his birthday. Last year he was a multiple of 12 His age is a square number. Next year he will be a multiple of 10

How old is Huan?

₿

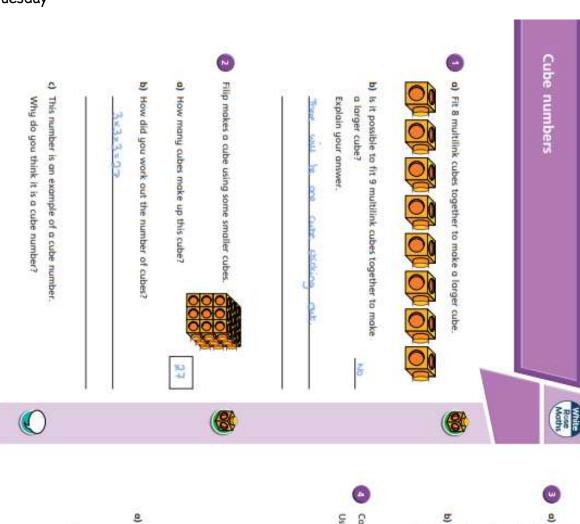








Tuesday





41	ų	21
4 × 4 × 4	3×3×3	2×2×2
.64	27	00

b) What would the next cube number in the table be?









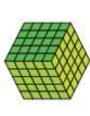


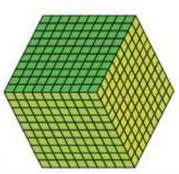












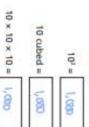




51 =

125

5



® Whose Rigge Moths 2019



Tuesday

- a) Which calculation is the same as 6³?
- Tick your answer.
- 6+6+6

6 × 3

343

- 0 × 6 × 6
- b) Kim has worked out 6" using this method.
- $6^3 = (6 \times 6) \times 6$ $= 36 \times 6$

= 216

Is Kim's method correct? 400

How do you know?

- 30 × 6 = 180 6 × 6 = 36 180 + 36 = 216

- d) Match the cube numbers to the calculations. One has been done for you.
- ш 2 25 × 5 16 × 4

- 6 Calculate 7²





0

- What mistake has Dora made?
- Why might she have made this mistake?

- Scott's age is a cube number.

0

- His sister is 2 years younger than him.
- Her age is a square number.
- How old is Scott? In 3 years, Scott's age will be a multiple of 10
- Scott is 27 years old.





Wednesday

Complete the calculation shown in base 10

d) 7 × 10 = 70

e) 10 × 6 = 60

Match the bar models to the multiplications.

Tom has 10 boxes of eggs.

How many eggs does he have altogether? There are 12 eggs in each box

Tom has 120 eggs



Complete the number sentences.

Complete the sentences.

Each row has ten and 3 ones. The calculation is

Wednesday

Teddy walks 600

m to school.

Eva walks 60 m to school.

d) 31 × |0 = 310

h) 670 = 2 × 5 × 67

How far does Teddy walk to school?

Teddy walks 10 times as far as Eva to school.

Use counters on a place value chart to work out 23 × 10 23 × 10 = 230

Amir thinks of a 2-digit number.

He multiplies it by 10

My answer is between 755 and 795

- Which of these is the odd one out? Tick your answer.
- and 7 yellow 10 red flowers flowers

7 players on

each team.

teams with

There are 10

- There are
 - ten frames with 10 counters There ore 7

Write all the numbers Amir could be thinking of.

77 78 79







Complete the calculations.

Talk about it with a partner.

a) 45 × 10 = 450

e) 10 × 14

b) 36 × 10 = 360

(400 = 40 × 10

0

7-80 = 10 × 78

g) 32 × 10 = 10 ×









Chocolates come in boxes of 8 and 10









Rosie needs to buy 80 chocolates.

- a) What baxes could Rosie buy?
- 01 10
- of to conseq in power 8 to Conseq
- b) What is the fewest number of boxes Rosie needs to buy?











Thursday

100 + 7

100 × 7

7 + 100

7 × 100

of crayons.

Circle the calculations that work out the total number





3 × 100 = 300

3 x 1 hundred = 3

hundreds

Complete the number sentences.

a) 2 × 100 = 200

d) 5 × 100 = 500

e) 100 x 10 = 1,000

b) 4 × 100 =

60

2,000 = 20 × 100

800

There are 7 boxes of 100 crayons.

00

100

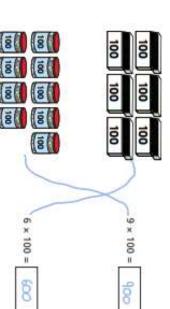
100

100

100 100

(8)

Match the images to the calculations. Complete the calculations.



12 × 100 =

1,200









Complete the calculations.

d) 5 x 7 x 100 = 3,500

b) 29 × 100 = 2,900

× 100 = 6,500

30

@ White Rose Maths 2013

Thursday

e)

30 × 10

0

100 × 27

26 × 100

5

36 × 100

11

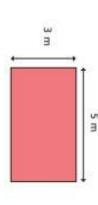
100 × 36

9

31 × 100

31 × 10 × 10

Calculate the perimeter of the rectangle.



Give your answer in centimetres.

The perimeter of the rectangle is 1,600 cm

Write <, > or = to compare the statements.

a) 45 × 100 (>) 45 × 10



Write the number that Amir is thinking of.

Amir thinks of a 2-digit even number. His answer is greater than 3,450 but less than 3,750 He multiplies it by 100

Four children are making numbers using base 10 The table shows how many of each piece they use.

	Number of 100s	Number of 10s
Eva	17	0
Ron	15	00
Dexter	16	15
Whitney	15	20

a) What number has Eva made?

b) Who has made the biggest number?

1,700

c) Whitney has made the same number as Eva.

What pieces could Whitney have used?

She used 100s and 10s.

Write your answer in the table.

Are there any other answers? Talk about it with a partner.

0





Friday

d) 126 × 10 =

1,260

0		
	Ħ	
	H	
- 60	1	
7	0	

Complete the multiplications.

39 × 10 =

٥

H

Ħ

#

245 × 100 =

24,500

0

d) What happens to the digits when you multiply by 10?

Modela of

Multiply by 10, 100 and 1,000

0

#

5 HTH

∄

#

T.

-0

16 × 100 =

1,600

9 × 1,000 =

9,000

9 × 100 =

900

16 × 1,000 =

16,000

Multiply each number by 100 and then by 1,000

Complete the multiplication sentences.

90

32

× 10 = 320

1) 10 x 5 = 1,350

SHO 130

Z g) 20 × 10 = 500 × 10 = 5,000 200

70 × 100 =

7,000

52 × 100 =

5,200

41,200

715 × 100 = 31,500

720 × 100 =

32,000

d) 10 × 952 = 1,000 × 952 = 100 × 952 = 952,000 95,200 9,520

Complete the multiplication sentences. 4,500 c) 41 × 10 = 410

41 × 1,000 = 41 × 100 = 11,000 4,100



d) Explain to a partner how you multiply a number by 100

245 × 1,000 =

245,000

Ask them to explain how to multiply by 1,000

Friday

e) 6,200 =

00

× 62

j) 1,000 ×

80

= 80,000

000

= 272,000 1)

3,900

× 10 = 39,000

Write >, < or = to make the statements true.

Ron and Dani have paper rounds

Ron delivers 75 papers a month.

Dani delivers 10 times as many papers a month as Ron.

How many papers do they deliver altogether?

935 papers

- 78 × 10 (< 78 × 100
- 100 × 56

5

- 65 × 100

٥

- 930 × 10 pl 100 × 93
- d) 1,000 × 482 482 × 100



is the same as

54 × 1,000





0

Mrs Hall owns a bookshop.

0

Show your workings.

How many books did Mrs Hall sell in March?

In March she sold 10 times as many books as in February.

In February she sold 10 times as many books.

In January, she sold 145 books.

Compare answers with a partner.

14,500

0

Is Rosie correct? 465

Explain how you know.

Complete the multiplication sentences.

o) 52 x

ē

= 5,200

3

ö

 \times 370 = 3,700

b) 95 x

õ

= 950

13

 \times 100 = 8,200

c) 136 ×

= 1,360

Ξ

120

× 100 = 82,000

Amir thinks of a number.

0

He multiplies it by 100

The answer has the same digit in the thousands and

What could the number be? The total of all the digits is 8



