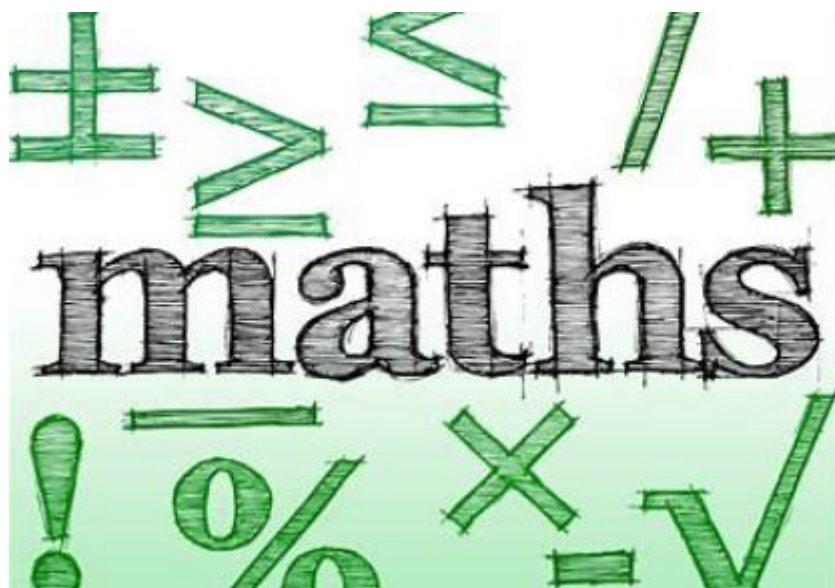


## Maths

Maths at Beech Hill has looked very different over the last few months. Lots of our lessons and teaching ideas have been shared with families via Seesaw and children have been working really hard at home to complete a range of different activities to a high standard. Some year groups have had children in school for the last few weeks so have been joining in with some maths in class. Other year groups have been learning maths via Zoom! Parents have done a great job in facilitating their children's learning at home in lots of creative ways! Have a look at the amazing work that children from Two Year Old Nursery all the way to Year 6 have been producing.



# Two Year Olds and Nursery

## Number Challenges:

For the this week we will be continuing to focus on the number 1. This week I would like you to.

- Watch the 'King 1' video again and try to join in.
- Can you show me 1 finger?
- Can you go on a number 1 hunt either around the house or in your local area? What things have a number 1 on them?
- Can you count out one object from a larger group? (Give your child a few pieces of lego, pasta etc, ask them to give you one?)



Candle Top

Manahil Has found Circles

Car Tryre Circle

Paint Shaped in circle with many colours.

### All About Number 3 Number Formation Activity

3 3 3 3 3 3

3

3

How many fingers are being shown?

How many counters are in the ten-frame?

How many boats can you see?

How many dogs are there?

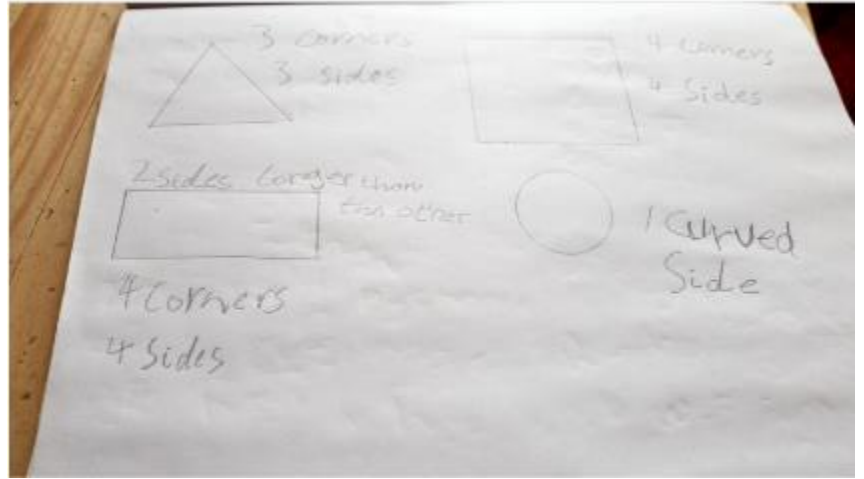
### Momin can find circles x

PIC\*COLLAGE

Pack 4 items in each box.



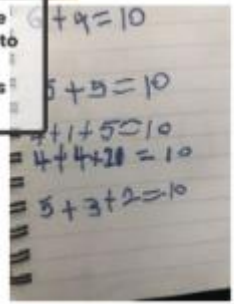
# Reception



I have done a pattern using triangle and a square



I have completed the activity trying to make 5 in different ways and 10



Year 1

Handwritten number lines and subtraction problems:

- Number line: 54, 53, 52, 51, 50, 49, 48. Equation:  $54 - 6 = 48$
- Number line: 95, 94, 93, 92, 91, 90, 89, 88, 87, 86. Equation:  $95 - 9 = 86$
- Number line: 106, 105, 104, 103, 102, 101, 100, 99, 98, 97. Equation:  $106 - 9 = 97$
- Number line: 112, 111, 110, 109, 108, 107, 106, 105. Equation:  $112 - 7 = 105$

OAK NATIONAL ACADEMY  
End of Lesson Quiz  
Addition and subtraction  
Total points 4/4

What is  $32 - 4$ ?

20 30 40

27  
 28  
 29

48 - 5 is equal to 53? Select true or false below.

Handwritten subtraction problems with visual aids:

- $25 - 4 = 21$  (using a ten-frame)
- $37 - 5 = 32$  (using two ten-frames)
- $78 - 2 = 76$  (using ten-frames)
- $96 - 5 = 91$  (using ten-frames)

Write the numbers in order from least to greatest.

35	23	12	27	12	23	27	35
62	34	67	42	34	42	62	67
56	26	71	73	26	56	71	73
82	23	76	92	23	76	82	92
56	78	95	27	27	56	78	95

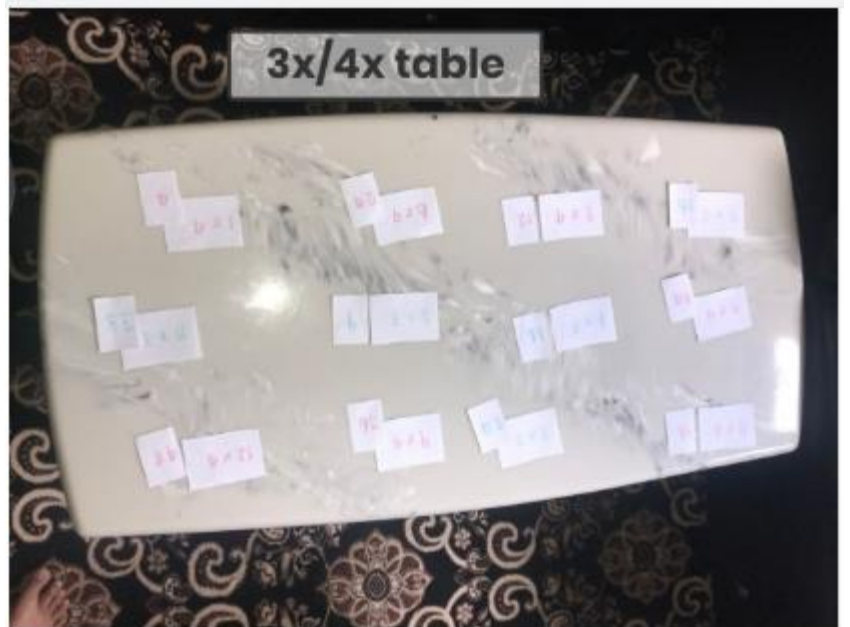
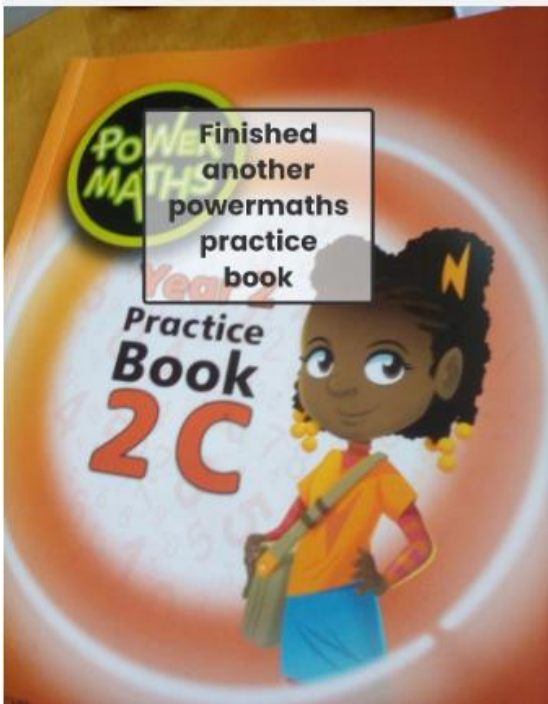
In response to Ms Grba's questions

SUBTRACTIONS

Multiples of Five: 0 to 100

40 45 50 55 60 65

Year 2



### Number Bonds

1. Fill in each box to make a pair of numbers that add up to 20.

2 +  = 20    0 +  = 20    4 +  = 20

3 +  = 17    5 +  = 14    7 +  = 19

2. Fill in the missing numbers.

40 + 60 =     70 +  = 100    10 +  = 100

3. Join each addition to the matching subtraction.

14 + 5 = 19    17 - 11 = 6  
 16 + 4 = 20    19 - 5 = 14  
 6 + 11 = 17    11 - 9 = 2  
 11 = 2 + 9    4 = 20 - 16

4. Use two of the numbers below to make the sum correct.

4    6    15    14

+  = 19

"I know the number bonds up to 100 and can use number facts to answer questions."

SECTION TWO — ADDITION AND SUBTRACTION

Counting in 10s

10	20	30	40	50	60	70	80	90	100
24	34	44	54	64	74	84	94	104	114
17	27	37	47	57	67	77	87	97	107
29	39	49	59	69	79	89	99	109	119

Counting in 2s

2	4	6	8	10
12	14	16	18	20
22	24	26	28	30

Counting in 5s

5	10	15	20	25
30	35	40	45	50
55	60	65	70	75

Counting in 3s

3	6	9	12	15
18	21	24	27	30
33	36	39	42	45

Match lines to match the numbers to the words.

sixteen — 61  
 sixty-one — 60  
 sixty — 16

### Monday - Measure Mass in Grams

1. Match each item to the correct scale.

raspberry 6g    potato 150g    apple 75g

A. B. C.

2. Draw the pointer in the correct position on the weighing scales.

75g    12g    140g

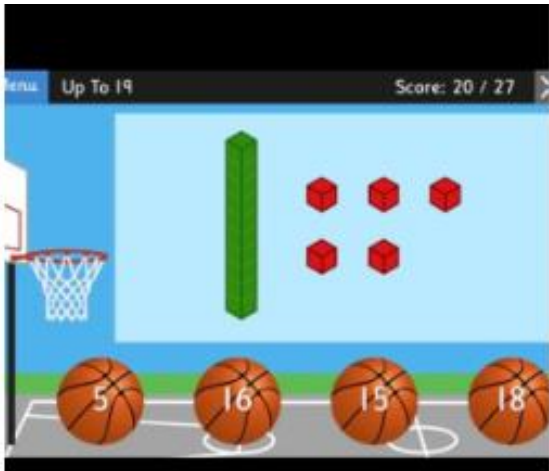
3. The pear weighs twice as much as the strawberry. Charlie has some 2g, 4g and 10g weights. Which weights could he use to balance the scales? Find 3 possible answers.

2g    4g    10g

2 x 15 = 30    3 x 10 = 30

+ = 10  
 + = 9  
 + = 13  
 + = ?

# Year 3



What has Josh split the bar model up into? Why is he correct?

**Divide by 4**

1. Match the representations to the calculation.

A. 20  
B. 20  
C. 0 4 8 12 16 20 24 28

d.  $28 \div 4 = 7$   
e.  $20 \div 4 = 5$   
f.  $4 \div 4 = 4$

2. Complete the statements using  $>$ ,  $<$ , or  $=$ .

A. 16  
 $16 \div 4$   $4 \times 4$   
B. 32  
 $32 \div 4$   $20 \div 4$

3. Someone and Josh are discussing a calculation.

20

Samira: This bar model shows that dividing 20 by 4 is equal to 4.  
Josh: This bar model shows that dividing 20 by 4 is equal to 5.

Who is correct? Explain your answer.

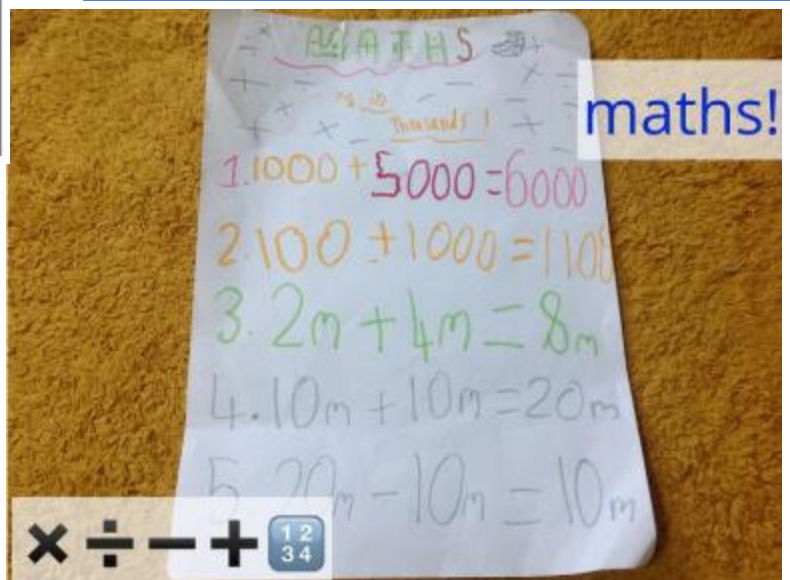
Josh is correct because someone thought it was times but it was divide but Josh did divide so then he got the answer right

1. $149 - 100 =$ 	4. $753 + 164 =$ 
2. $69 + 50 =$ 	5. $8 \times 7 =$ 
3. $653 - 300 =$ 	6. $69 \times 8 =$ 

Can you find 100 more than and 100 less than the number in the robot's tummy?

E.g.

60	260	22	45	680
160	320	780		
31	51	79	99	42
410	890	540		
90	39	57	7	72
290	670	830		



# Year 4

**Bake it!** #MathsEveryoneCanAtHome

When we are using recipes, sometimes we want to adapt the recipe to make more buns or fewer buns.



Can you adapt our recipe to make 5, 15 or 20 chocolate crispy buns?  
Can you estimate how many individual rice krispies/cornflakes you've used?

Use sweets to decorate your buns. Work out what fraction of each colour of sweet you have used e.g.  $\frac{7}{20}$  pink sweets  
Don't forget to share your photos!

White Rose Maths



## Solve the ? level 1

+ = 10  
 + = 8  
 + = 5  
 + = **7**

Puzzle ID: 33972 Solvemyl.com

## Solve the ? level 2

+ = 4  
 + = 5  
 + = 13  
 + = **12**

Puzzle ID: 33917 Solvemyl.com

Solve what the ? Means

## The ? Means 6

+ = 4  
 - = 1  
 + = 7  
 + = ?

Puzzle ID: 33907 Solvemyl.com

$2+2=4$  so each clown is 2  
 $3-2=1$  the alien is 3 and the clown is 2  
 $4+3=7$  so the alien is 3 and the devil is 4  
 The devil is 4 and clown is 2

Half past 3	<b>8</b> o'clock	half past 10
half past 4	6 o'clock	half past 7

Handwritten notes on a piece of paper:

- NOT PARALLEL
- Isosceles
- 2 sides short
- 1 side long
- PARALLEL
- 4 sides all same
- Square both sides
- PARALLEL
- Parallelogram
- PARALLEL
- Diagonal 2 sides
- both ways
- parallel

Handwritten notes on a piece of paper with colored shapes:

- Right angled triangle
- Parallelogram
- Isosceles triangles
- Square

Thursday - Divide 1 or 2 Digits by 100

1. Draw counters to show the answers to the calculations.

21 + 100	0.1	0.01
30 + 100	0.1	0.01

2. Match the calculations to the correct decimal and find the odd one out.

34 + 100	0.76	23 + 100
0.34	5 + 100	0.05
74 + 100	0.23	0.7

3. Circle the number that is 100 times smaller than forty seven.

4.7    0.40    **0.47**

4. Complete these calculations.

4 ÷ 100 = <b>0.04</b>
0.25 × 100 = 25
53 ÷ 100 = 0.53
0.79 × 100 = 79

5. Use a place value chart using 7 counters and divides it by 100.

10	1	0.1	0.01
----	---	-----	------

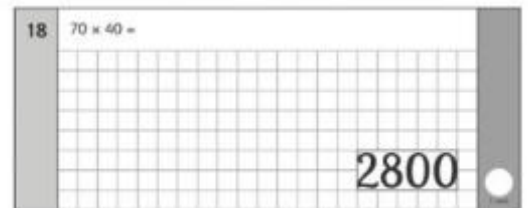
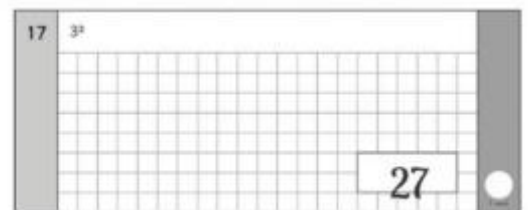
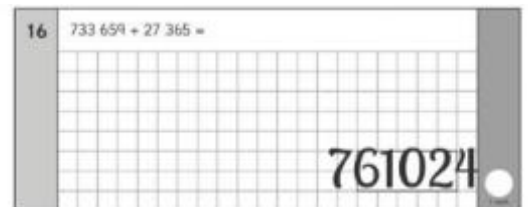
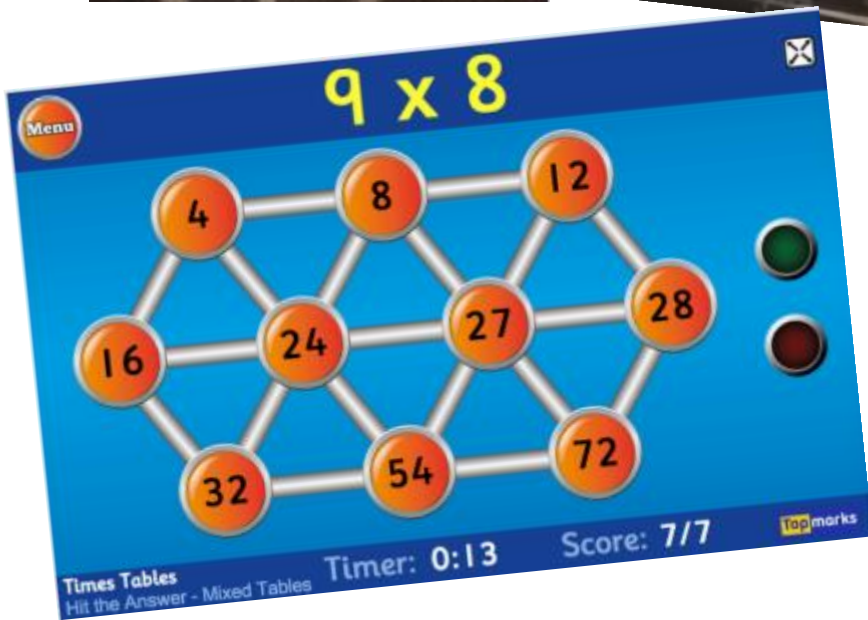
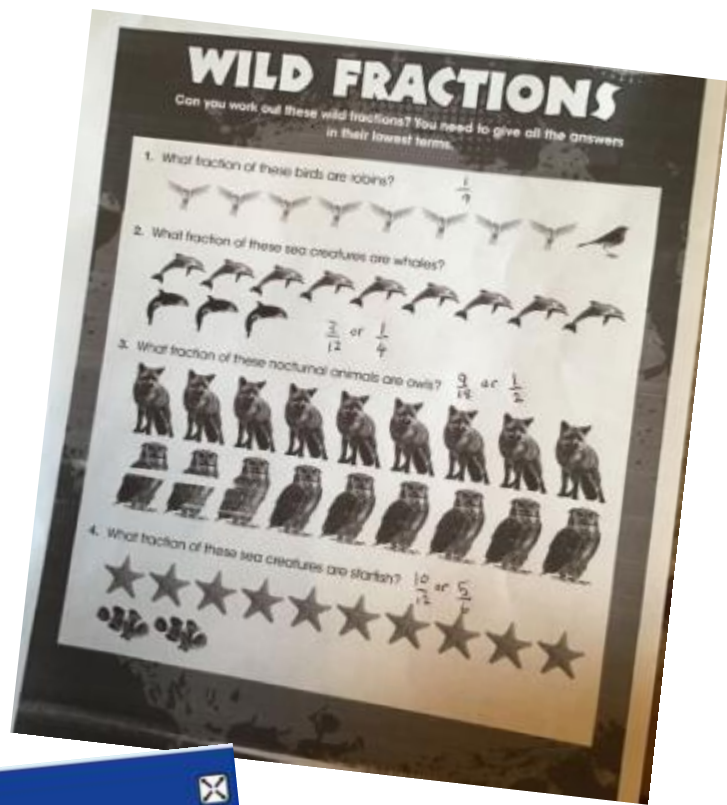
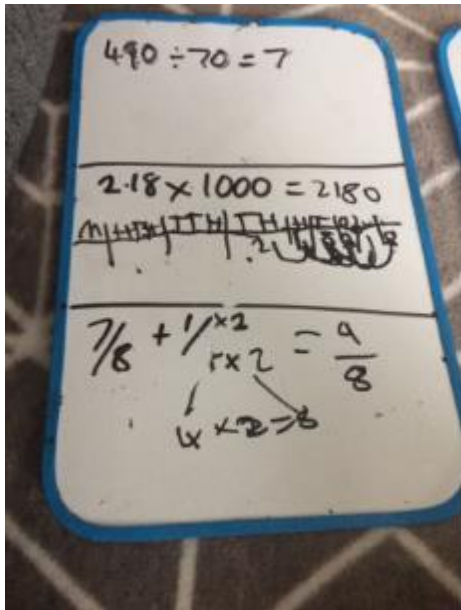
6. Zaynab has used the chart below to make a number. She has covered her number with counters. She divides it by 100.

10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

7. True or false? Afan and Jude's statements are correct. Convince me!

Afan: 0.39 is 100 times smaller than 39.  
 Jude: 39 ÷ 100 = 3,900

# Year 5



Miss Jordan's Zoom group maths homework  
Add fractions with the same denominator

a)  $\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$  ✓

b)  $\frac{4}{7} + \frac{3}{7} = \frac{7}{7} = 1$  ✓

c)  $\frac{4}{7} + \frac{4}{7} = \frac{8}{7} = \frac{11}{7}$  ✓

d)  $\frac{8}{7} - \frac{3}{7} = \frac{5}{7}$  ✓

e)  $\frac{7}{9} + \frac{8}{9} = \frac{17}{9} = \frac{18}{9}$  ✓

$$\frac{3}{5} + \frac{1}{5} =$$



That's easy, 3 + 1 is 4 and 5 + 5 is 10  
so the answer is  $\frac{4}{10}$

Miss Whitton Do you agree with Rosie? Explain your answer.

Asim All it is wrong because for this you only add the numerator not the denominator so its 4/5

Zara Khan No I do not agree because although she has got the numerators right she is incorrect with the denominators as you don't have to add them, they stay the same

Miss Whitton Well done, Asim and Zara! You've both used some great mathematical vocabulary.

Skye Goddard I do not agree because they can stay the same because you don't need to add them both



# Year 6

## Monday - Introducing the Ratio Symbol

1. Look at the set of objects below and complete the statements, using the ratio in its simplest form.



A. For every 6 squares, there are 8 circles and 2 triangles.

B. The ratio of squares to circles is 6:8.

C. The ratio of circles to triangles is 8:2.

D. The ratio of squares to circles to triangles is 6:8:2.

2. Draw a line to match each image with the fraction of squares it contains, and the ratio of the two shapes represented.

A.  $\frac{3}{9}$  1:2

B.  $\frac{3}{10}$  4:5

C.  $\frac{4}{9}$  3:7

3. Use the digit cards to write a ratio to match the given picture. Write the statement to go with it.



The ratio of peaches to pears to oranges is



4 : 6 : 2

$7 + 10 + 14 = 31$   
 $8 + 8 + 14 = 30$   
 $10 + 10 + 8 = 28$   
 $8 + 10 \times 7 = 78$

Puzzle ID: 36196 [Solvem.com](http://Solvem.com)

**7 8**

$2) \frac{3}{5} = \frac{60}{100} = 60\%$   
 $\frac{26}{50} = \frac{52}{100} = 52\%$   
 $\frac{1}{20} = \frac{5}{100} = 5\%$   
 $\frac{5}{25} = \frac{20}{100} = 20\%$

3) 76% Available  
40%  
72%

4) TIME

5) yes because  $\frac{1}{20}$  times 5 equals  $\frac{5}{100}$  which is the same as 5%

6) 60%

7)  $\frac{18}{20} = \frac{16}{20} = \frac{28}{25} = \frac{32}{25}$

40%	80%	96%	88%
-----	-----	-----	-----

## 22. Square & Cube Numbers

Calculations

1) Work out:

a)  $4^2 = 16$  b)  $7^2 = 49$  c)  $5^2 - 1 = 24$  d)  $6^2 - 3^2 = 27$

2) Which two of these statements are true?

$2^3 = 16$

$3^3 = 9$

$4^3 = 64$

$5^3 = 125$

3) Roopesh says, "eight squared is sixty four, so eighty squared must be six hundred and forty." Do you agree? Explain your answer.

No, as  $80 \times 80$  is 6400 because there are two zeros in two 80's

4) How many numbers between 0 and 50 are:

a) square numbers? 7 b) cube numbers? 3



**CHALLENGE** The sum of 4 squared and 1 cubed is more than 17. Which number is more than 17? Is there more than one answer?

4 squared and 1 cubed there is more than 17 answer e.g 3 squared and 2 cubed

Tricky/50 maths question!

I would advise using a bar model to try and work this out!

Ma is reading a book.

- On Monday he reads  $\frac{2}{5}$  of the book.
- On Tuesday he reads  $\frac{1}{2}$  of the remaining pages.
- On Wednesday he reads  $\frac{5}{9}$  of the remaining pages.
- On Thursday he reads the rest of the book.

Ma read 68 more pages on Tuesday than Wednesday.

How many pages are there in the book?

$68 \div 4 = 17 \times 3 = 51$

$51 \times 10 = 510$

The answer is 510

GD Emoji Maths Challenge!

$10 + 5 + 5 = 24$   
 $20 + 10 \times 10 = 70$   
 $20 + 4 + 20 = 44$   
 $20 + 10 \times 8 = 100$

Puzzle ID: 36041 [Solvem.com](http://Solvem.com)

**1 0 0**

